

934

<400> 1501

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```

<210> 1502

<211> 1463

<212> DNA

<213> Homo sapiens

<400> 1502

```

ggcgcggaat gttggcctcg ccctgcccga cgtcgcaggc tggagctcac ctgggagact 60
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gcaggaggcg gcggcgagg aggagctcta ctgagccgca actgtggcga cagcaaccgg 180
agtcgcagcc gccgccacct gcacctggcg cctagcccac gtccagcgcc tgcccgcccg 240
cgcttcccg ccacctgcc ctgcccacc gccaggctact accattaaag ataccttctt 300
ctcagcaaat ctatgataaa aaatataagt aacagaagaa gaaataactg ttatttgtca 360
agtgacaagc ttttaatgtc agaatggctc acctaaagcg actagtaaaa ttacacatta 420
aaagacatta ccataaaaag ttctggaagc ttggtgcagt aatttttttc tttataatag 480
ttttggtttt aatgcaaaga gaagtaagt ktcaatatct caaagaggaa tcaaggatgg 540

```

935

```

aaaggamcat gaaaaacaaa aacaagatgt tggatttaat gctagaagct gtaaacaata 600
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gtgagagacc ttgtttgcaa ggatattata cagcagcaga attgaagcct gtccttgacc 720
gtccacctca ggattcaaat gcacctggtg cttctggtaa agcattcaag acaaccaatt 780
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tcataatgaa gcgtggtcca cgttgcttag aactgtccac agtgtgctct attcttcacc 1020
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```

<210> 1503

<211> 570

<212> DNA

<213> Homo sapiens

<400> 1503

```

tgcaaaaatt acagctggtg cctgtaatcc ccgctactcg ggaggctgac acaggagaat 60
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tgggcaaccm agagtgaaac tgtctcaaaa aacaactttt atcaatgtct gcaaaaagaa 180
agtcttctgg gatattataga tcaatttagg gagaaatgac attttaacaa ttctgagttt 240
tccaattggt gaacatggtg tactgcccc tttatttaga tctgttaatt tctctcagtt 300
tgcagctctc acattttgtt aaattcatgt atttaatat tctgcatgct attgcaagtg 360
gtaaggtttt caaaaagctg ttttctagtt attgctagta tatagaaatg cattagactt 420
gtacattgat cttgtatcaa gcaacttaga tcagttaact tattctagta gcttttttct 480
agattcttta gcatttttcta tgtagataat catgtcatct gtgaataaag tatttttactt 540
ttccaattta aaaaaaaaaa aaaaaaactc                                     570

```

<210> 1504

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<220>

<221> misc feature

936

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1504

```

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aaacactttt gttaaaggga atccaatttt cctcttccaa gggctctcca aacatggaat 120
atgtagggtt tcatcataat ctcaatgttg tttatccaaa tgtatcacgt tatataaata 180
tgtagagggt tccagatgtc aagggcaggg tattagggtc aagtgtggct ggctctaacc 240
tctccactga actcctagag tgagatttaa gttttattta atctaacttt actaattcaa 300
cttagtcgtg taagaaggat atgaagaata tgaattattg tacttcacac tgctactttc 360
atgtacagta tagtagawta atactgacma cyatagacma gragttaaaa ttkgtcyorg 420
gaaaatycty cargatttta amcattgrca ttgccncgga gcgggagaatt cagggcccg 480
aaagnggggc nacttagg 498

```

<210> 1505

<211> 2061

<212> DNA

<213> Homo sapiens

<400> 1505

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cctcagcgag cgcgccgact ggcagtactc gcagcgcgag ctggacgccg tcgaggtctt 120
cttctcgcgc acggccccggg acaaccggct cggctgcatg ttcgtgcgct gcgcgccctc 180
cagccgctac acgctgctct tctcgcacgg caacgccgtg gacctgggcc agatgtgcag 240
cttctacatt ggccctcggct cccgcaccaa ctgcaacatc ttctcctacg actactcggg 300
atacggcgtc agtcggggcaa gccctccgag aagaacctct acgccgacat cgacgccgcg 360
tggmagggcg tcgcgcacccg gtatggcggt agtcccagaga acattatcct ctatggtcag 420
agcattggga ctgtccccac ggtagacttg gcctcgagggt atgaatgcgc agggtaattc 480
tccattcccc tctgatgtct gggttgcggt tggcttttcc ggataccagg aaaacatact 540
gctttgatgc tttccccagc attgacaaga tatctaaagt cacctctcct gtgttggtca 600
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gtccccgagc cgtggagccc ctttggttg aaggggctgg gcataatgac atagagcttt 720
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```

937

```

tgattttcttt  tgtcaggcta  caacaatgaa  ctgcagattc  cttgtttgta  atgtaaataga  1620
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atttccaaga  caaaaattcc  aagtttatgc  tttgaagaat  ttatgtaatt  aaaatttcac  1740
taaactaatc  tttttagttt  aggaattatt  tgggttttga  cactggaagt  tgcgccaaat  1800
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gatttggggg  ttcttttggt  ttaatttttt  tttccacatt  taaaagcctt  aaatgtactg  1920
taagcctcag  atcgttgtac  aactggactg  cgggttgattg  ccagtttgtg  tactgttgct  1980
tggatgcggc  acagtgtgtg  gtaatggaat  aaaggatgca  tggatcagaa  aaaaaaaaaa  2040
aaaaaaaaaa  aaaaaaaaaa  a  2061

```

<210> 1506

<211> 2396

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<400> 1506

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cgctgccccg  catcgtgcc  gccgcccgga  aggccaccgc  tgcggtgatt  ttcctgcatg  120
gattgggara  tactgggcct  gttaggcctg  ttacattaaa  tatgaacgtg  gctatgcctt  180
catggtttga  tattattggg  ctttcaccag  attcacagga  ggatgaatct  gggattaaac  240
aggcagcaga  aaatataaaa  gctttgattg  atcaagaagt  gaagaatggc  attccttcta  300
acagaattat  tttgggaggg  ttttctcagg  gaggagcttt  atctttatat  actgccctta  360
ccacacagca  gaaactggca  ggtgtcactg  cactcagttg  ctggcctcca  cttcgggctt  420
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938

```

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tgctgtaaca tgggaaagtg taaatgtttt tcatggtttc tatcaatgtg aaataaaaatt 2340
taattctgaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagggcg gccgct 2396

```

<210> 1507

<211> 1153

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<400> 1507

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cccacgcgtc cgctgagatt gctctgcctt cttccacacag gactgcctgt tcgcagcgtg 120
gattttaacc gaggcacgga caacatcacc gtgagcaggg ggacacagcc atcctcaggt 180
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gcaaatatga gtgcaaagct gccaacgagg tctcctcggc ggatgtcaaa caagtcaagg 660
tactgtgaa ctatcctccc actatcacag aatccaagag caatgaagcc accacaggac 720
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cacccaaaaa aaa 1153

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<210> 1508

<211> 652

<212> DNA

939

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<400> 1508

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gcggccctga agcagctggg ggactcaccg gccgaggaca agtccagctt caagccctac 120
tccaagggtc cggcgggcgg cgactcccg cgaagacagcg gctcctcctc ggtgtcttcc 180
acctcctcct cgtcctcctc gtccccggga gacaaggcgg gcttcakggc cccagcgcgc 240
gcctgcccgc cttttccccc gcatggagcg cgggtctccg catcctcgtc ctcgtcgtcg 300
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cctacaagcc gggccactcg gtgttcccg tgncccttc agcattggct accacggctn 600
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```

<210> 1509

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

940

<221> misc feature
 <222> (1218)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1226)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1227)
 <223> n equals a,t,g, or c

<400> 1509
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 aggactccct tagaatggga aagaaaaatc ataaaaatatt gagctgatgc ctgtatatag 180
 aaattaagcg tttctcgaaa gctgttctat gttttgctgt tatttttagtc tttattctct 240
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 tttctgtcag tagaaataac catatgtgct aaccaaattt ctgtgaagaa tgttttcatg 360
 gttatcatta tatctaacta taacctcccc catagttagt aagagtaacc tgaaatgcca 420
 ctattgtgga aataggataa ttgtaattgt gaaaaataa ttttaaggaa atcttacaag 480
 tattacatta aaaagatact atgactgcc aactgccatt accttcta atacctgcca 540
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 aagatgccct gatttgtaca gattgaccac gggaatacta ctgccatgta atctgtatag 840
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<210> 1510
 <211> 1013
 <212> DNA
 <213> Homo sapiens

<400> 1510
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 acccaatctt ggagaggtgc aaaaagcact gggggctacc cgtttagctgc atctgccctg 360
 gctgtttgcc cgttcatgtc aaaaactgcc actactatgt acctgcagtg gggttgcaga 420
 gatggggggag actcaagtct tactccccag gagctccag ggcccaagga ggagaatgct 480

941

```
gcctcctttc agtctggtct acacccactt tctggtagcc tctctgcttc ctgtaattct 540
ggctggtttt ccagactcag ctcaaatagt gcccctcctt aagcccatcc ctgccccca 600
gcctgaggtg atctttccct cctctgaact attagagcag ttactgtctg ttcagttcgt 660
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ttaacctggg ttcttgatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
aaaaaaaaaa aactcgaggg gggcccgtcc caattcgccc tatagtgagc gat 1013
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<210> 1511

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1511

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gaggccattc ttgatgttgc ttctagatct catgtcatca ccgagccctc agctgctggg 180
ggcagctgct cagcagaccc ttggcatggg aaagagacgg agtccacccc aagccatctg 240
ccttcactta gctggagagg tgctggctgt ggccccggga ctgaagccag ctgtgctcta 300
tgattgcaac tgtgcagggg catcagagct ccagagctat ctggaggagc tgaaggggct 360
tggtcttcctg acttttggac ttcacatcct tgagattgga gaaaacagcc tgattgtcag 420
tcctgagcat gtatgtcagc acttggagca ggtgct 456
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<210> 1512

<211> 2167

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1745)

<223> n equals a,t,g, or c

<220>

942

<221> misc feature
 <222> (2063)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2112)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2156)
 <223> n equals a,t,g, or c

<400> 1512
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 gtgatacatg aaaagataat gaacaccttc gtcattagggt aaatacgact cagaaccaca 180
 gtttagaggac gagtggtggc aaggatgtgg agaacttggg gctgtaaaat ggtgcagctg 240
 ctttggaata caatctagca gttcctcaga angttaccaa aaggtcatat agagttaccc 300
 tatgacccag caatttcact cctagctata taatcacaca aaaaacacaa atgttcatag 360
 cattacttat aatagcctaa aargggaaac aacccaaagt gtccatcagt taatgaatgg 420
 ataaagagtg tgcattcatt catacagtag gatgttactt ggcaataaaa aggaatgaa 480
 tattcatata tactgcagta tagatkaacc ttgaaaacat gcggagtga aaraaaccaa 540
 tacgaaaggc cacgaattac atgrttccat ttttaggaag tgtccagaat atgcaaatcc 600
 atggagacag aaagtacaga ctggtgactg ctaaggatgg gacaggggga atgagcacta 660
 gtcagtatac ggtttctttt tgggggtggta aaaatgttct gtagtgggtga tggttgcaca 720
 actgagtata ataaaacata ctgaattaty tatttttaaaa gggtaaggct ggactcagt 780
 gctcacgcct gtaatccag cactttggga agctgaggtg caaggattgc ttgggaccag 840
 nctgggcaac atagtgaag gtcactctct caaaaaatta aaaatttagc caggcggtgt 900
 ggcacatgcc tatagtccca gctatttggg tagccaagggt gggagaattg cttgagcctg 960
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 caaaatgata ttctcaatg actattttta cgattaaata actgacagat atttaagaaa 1200
 ctgtttgaag aaggttttaa cattcaaaag caaagattac gagacctaa aaactatgcc 1260
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 ctgaccatag tacagtatat ttccctatct ccattaaaat gattttaagc ctgtgaacat 1560
 taagaaatgt tacatttggg ctacaaacat taaatataat atttggtttt tttcttccta 1620
 taaacagttt tcattgctgg cagaagccat atcacaggaa catcaagaac ttaaagccag 1680
 agagaaatct magcccagg aataattaag atagaagcca agtcatgcac tgcattggca 1740
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 aacaacaaaa tcatttaatg atgcatttct tggaaacatat ctccatcatt aagtgcaca 1920
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 gagagaagac taataaggca atccatctat gacccaagac atttttatcc tatgatttta 2040
 acttttagtta ggtctctgta agngctggct gttgctagat tatttgaaaa ttttgggagg 2100
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943

tgctgtg

2167

<210> 1513

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1513

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cgctcacctc tcccttcccc aacccttctc tacttggtctg ctgttttaaa gtttggaagg 60
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cagtggtcag ttacatgtcc ccacagtccc aatgtgctctg ttcactcacc tctcccttcc 180
ccaacccttc tctacttggc tgctgtttta aagtttgccc ttccccaat ttggattttt 240
attacagatc taaagctctt tcgattttat actgattaaa tcagtactgc agtatttgat 300
taaccaagct tctgcagatt ttgtgattct tgggactttt ttgacgtaag aaatacttct 360
ttatttatgc atattcttcc cacagtgatt tttccagcat tcttctgcca tatgccttag 420
ggcttttata aaatagaaaa ttaggcattc tgatatttct ttagctgctt tgtgtgaaac 480
catgggtgtaa aagcacagct ggctgctttt tactgcttgt gtagtcacga gtccattgta 540
atcatcaciaa ttctaaacca aactaccaat aaagaaaaca gacatccacc agtaagcaag 600
ctctgttagg cttccatggt agtgtagctt ctctcccaca agttgtcctc ctaggacaag 660
aattatctta caaactaaac tatcatcaca ctaccttgta tgscagcacc tgggtaacag 720
tagrggattt twatacatca atcttgatct ggtttaaatc tgatctgggt tagtagagat 780
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```

<210> 1514

<211> 1364

<212> DNA

<213> Homo sapiens

<400> 1514

```

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atgaaagtct gtacattgta tttatgctat tggatttgct atgacctgaa actaaaagga 240
gttgtggaaa agatttctta tggaaacagaa atatcccttt tgattaatat cacaatctcg 300
taaattgaga aaacaaaawaa tatatactac tggagcattc atgtatagtt ggagattatg 360
actattttat tgggtgtgtt ttggactcag aacaaagatg aggggaatatt ccttaaagct 420
ctgtattgaa ataacgaaaa gcagtcacat ttttaataata gaagcttcct agcttactct 480
ttctgtaatc ttcttttctt aaatgtaaga gagcctcata attatgaggc ttattactag 540
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gatgcttctc aaggasstta cgytagtggt tactctgtcc agtcagggtt ttttcttctt 720
taacttgggt tcatttctct atggcacaca tgaagtttgg atcatatgggt ttgacttttag 780
ctatgggtcct tagctatggg gagcagcatc agcgacctgt gacatgtaaa ttaaaaaaac 840
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gaaatgtttt tcccaataaa attstcttgt tatagctttc atgtgtgatt tgggtccagct 1140
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accacttaa aaacccttct tattacaggt cttcacattt aggccttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320

```

944

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1364

<210> 1515

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<400> 1515

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caccgggcct atattgtttt gaaagcatat tctatatata gttaygggca gaggcacagg 120
catcctcagc agctgattca ggagatgatg gtaaaagctag ctaactatga attaaacatt 180
cacatatcca gtctacctgg tccagtaata atacaagcaa atcttgtatt tcaggaacaa 240
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cctctagcca aatgctatgt ttgcaaaatg tggcatctgt tagtttttat tgtctgtgtc 420
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aggtcattac caacagcagg gtttttttta tactttaaaa acattatgct acatatcatt 600
gccattttca tattttgggg ttttgtact cttatacaat ggaatcaatg gaaatgtcat 660
ccagccactg aattgccatt attatatcta aaaagtcttct aagatgacag ttatcactat 720
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atgttactga tgctgtaaat tatttttaaat aaagaaaatt gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggccntt tna 1493

```

<210> 1516

<211> 2109

945

<212> DNA

<213> Homo sapiens

<400> 1516

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gagcagaggg aggcagttgg ggttgaactt cggaactagg ccgggtctyc tgacagatca 120
caagacaccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180
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gcaggccagt gtgaagctat tggctcctagg agtatatgag cttgctgttt ctttgatgga 600
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gttgctctgt aagcactaaa actttttaat catttttaag aaacttttta gattgtatta 780
caaatttgcc ttaacagtaa ttagatgttg aatataattt taacatttta ttaatgactt 840
gggtcatcag ttaataccag tactaaaacc atacgaatta ttggtttatt ccagaaaata 900
cagtatttgt tctattttta ggtagacaat catttgggat cagagtacat tagcatagta 960
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tattctcagt gttcctactc tgcattgttt acatttttga cagttttttt taatcaccta 1740
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aacttgacct tttgataatc gctcttacag gtcattgtct gttctaacag caaattgtaa 1860
acatgtgctt catagatatt gtggctctca gtcatcactt tgtcctatgg tatttattga 1920
atgttcacat actaatggtg cacaggtgtt ttttctata aatcttctga ctgtcctgta 1980
attcattctt aagctttaac ttgaaggtat cgtaattgcc ggcatttgat gtttagcaat 2040
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agtctctct 2109

```

<210> 1517

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1517

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gcttctccaa atcaaaccac agtatatggt gtaacaatat ctatgaccac tgtagccca 60
ttatattcat tccaattaga agaaatgtga atactatatt ccgtgttttg agtgacaagt 120
ttcgaaaaat aaaaayacwg trttttttaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagattttaa aagaaaaagc aagagttttt attatgatgk aataccagta 240

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946

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gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
taagttttca tatcatgtgc tgtaaagttt tcctaaatga ggctttaacg taaacactgg 360
tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
acaacaaaga aactgttcac ttttcaaata aaatgatatg tcagaaaaaa 590
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<210> 1518

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1518

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cgtggctgag gggacccggc gcgggaggag cgggcgcggg cgcgaaaggg agatctttgt 60
gagtgatattt gcaaaaatag attgcgaggt tggttggatt tgcaacctgt ggctctcctc 120
gagggagtaa gaatggggga aggcgcggcg gcggcggccc ggggagggag tgggtagagt 180
tggagcctca gaaatcggct gagctccggg ggcgggcggg gagaaagggc gggggggcag 240
caggagctag gggccacccc gctgccgat gtagtgaccg tggtaaagt cttgagaact 300
gtgggttgcg ttgcctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctcccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425
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<210> 1519

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1177)

<223> n equals a,t,g, or c

<400> 1519

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ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagtttaaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaaag ccaaagtact ggactgcctg gttcaggggt gaacgcctag tacacctgct 180
aacttgagc ttcagagcca tggcaaccaa ggagtcaaga gacgcaaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgccctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcacagtt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatata ggatgttgcc tggkcatcag 480
```

947

```

attcmagkcg ycttgkttct gcctyaratg ataaaactct aaaattatgg gatgtgagat 540
ctggaaaatg ttgaaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgaccagtt tctgctgttc 720
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ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggg cataagaatg 960
araaatattg catatttgcc aatttttcag ttactggtgg aaagtggatt gtgtctggtt 1020
ccgaggataa ccgggtttac atttggaac cttcagacta aagagattgt gcaggaaatt 1080
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```

<210> 1520

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 1520

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acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgcc ccaaccccc 240
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aatncttgtt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttcctccgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtggctt tttcccccta gcnagctccc ctganccag 460

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<210> 1521

<211> 1672

<212> DNA

948

<213> Homo sapiens

<220>

<221> misc feature

<222> (1583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 1521

```

ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga ccccgagct 60
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cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggagtttca gtttcctgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
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cggaggcagg gagggctctt gtnctttcca gggccctggg cagggccatc ctggccattc 1620
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```

<210> 1522

<211> 588

<212> DNA

<213> Homo sapiens

949

<400> 1522

```
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aaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gattttttgga gtttaccact ttcttattct 180
gtatcattaa tgaatatatt taaattacta tataatgttac cattttttctg gatttagtaa 240
gaaatttgca gttttgggtt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt ttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 588
```

<210> 1523

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (503)

<223> n equals a,t,g, or c

<400> 1523

```
cggcagcagg attttactga tactgcttat ctgttttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgccca ctcagtacaa ggaggccata 240
gattttggggc aagaattgag gctgacccgg gagcagggtgc agaactctca tacagaattg 300
gcagaggctc gtcacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca tttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520
```

<210> 1524

<211> 2791

950

<212> DNA

<213> Homo sapiens

<400> 1524

```

gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccaecgcgtcc gcccacgcgt 60
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cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgta cggtagacaa tgggacctga aaagacatgc agaggactgt 600
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aacaaccaac caatccctag accagacact caagaactag aagcttcaga aataaaagcta 840
gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
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tggagtccat gtgtgaaatg gcatctacca tttcctctgg attaaaacta cggactgggg 2580
acaacagtat taattcgatt gaatgtggct gatgatgcag ttgcttagct tctttgtgtt 2640
tctttgcctt ttgtacttgt aaacagaaat ttgcgtataa atgtgagtgt attataaagt 2700
ttgagatgtt gatctaaatt gtttttgtgt tgcctacatt tgccttttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

```

951

<210> 1525
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggctttcc tacataagta taataatgtg 120
ggaatgattt ggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtg gcatttttgc actytgtctc atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttgtgg gtgaaaagtt wtttgtacag tagagtaaga 300
ttattagggg tatgtctata cracaaaagg ggggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttgtgtt ctgagggtca ttatggtatc gtaatrtaaa 420
gcttggatga tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggaacttaa 480
ataattttcg ttgaacatgc tgccataact tagattattc ttggttaaaa aataaaagtc 540
acttatttct aattcttaaa gtttataata tatattaata tagctaaaaat tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaana 687

<210> 1526
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 1526
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ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaaga ttacaaagaa 120
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagttctg cttgatgcac 240
ttgatttgaa aagacatttc tctgtatgtg gcgcatgtcg gctttgcttt gaaaaataac 300
aaagttagca gaatatgttc aatatatttt cttggggaat aggggttttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaaag gaaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaaaataaa tgtagtctgt tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctggtat aaactgctaa ataggataat acgtgcctct 540
tttgttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600
gtgccataca ctaaaaaaca actgttgccct tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaaa ggcggccg 708

<210> 1527
<211> 618

952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1527

```

ttcacacaat atgggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggncctgggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggccca aaaattcaag atgctcattt gcaagttgtc ttctagggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggttaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctgggtc ttacatttct gataccgcta ctggtgccaa cctaaatcag 420
cagcctagtt ctcagcagaa ggcagcagag gatggcaagg ttggagggta gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcaccctgag aaaaataatt 540
cttttaaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctcgtgcc                                     618

```

<210> 1528

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<400> 1528

```

cgcacgccaa acggggtttgg aggacctctc tgccttctgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaattccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaaag gagatacatg ttatcaggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtatttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctggttggtg gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggtcacag 540
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gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
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atttgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg ctttaaggac attataaaac tgttgactgc tgtgtatttc agtcaaattt 1020
ccaggtaact tatagtggta gcagagactg caacattctg gcttgggttc catncttata 1080
tgaaccagtt cctgatgatg gtg                                     1103

```

953

<210> 1529

<211> 220

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<400> 1529

```
taaaaaaagn ggggttttaa cgggcccccc ttgggggccc aaaggagggt tttaaccccc 60
cggggggggt tccccccggg ggggraaaaa attttttccc cccccccggg ggggggggtt 120
cccgggaaac ccccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180
ccaaaatttt tttttgccca aaacnnttcc caaaaaattt 220
```

<210> 1530

<211> 438

<212> DNA

<213> Homo sapiens

<400> 1530

```
gaggggaggc gggctagtaa ccatagcggc tcgctgggtt cggctggcaa gtaaccatag 60
cggcgagcgt ggggcggagt gtggctcggg agtcctctgc gtgccctcct gggagctggg 120
tgctgtgagt cctcccctag cgggctgggt tcggcgcgga gtcggcgccg aacccgagct 180
gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240
cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgccgtg accgcttcca 300
rcggcgagca cgcgcgctct ggaccagagc cgttgcccgc tgtctcgtca cccgaagcct 360
cctcctgacg ccgtgctagt gcgaggggtc ccagggggaat tcggggcaca agtcggggccg 420
gagcatccgg gcggccgc 438
```

<210> 1531

<211> 2062

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1531

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gcccacgcgt ccgcccgact cggagccccct cggcgggcgcc cggcccagga cccgcctagg 60
agcgcaggag cccagcgcga gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120
cttcctcccg acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180
```


954

```

cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
agggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
acttccccat ctcccacatc cggctatggg ccctgcagct gatcttcgtg tccacgccag 420
cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
aggggggagat aaagagtga ttttaaggaca tcgaggagat caaaacccag aagggtccgca 540
tcgaaggctc cctgtgtggg acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctgtgta 660
agtgcacgc ctggccttgt cccaacactg tggactgctt tgtgtcccgg ccacaggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
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gcattgcccc gttgttagat taagaaatag acagcatgag agggatgagg caacccgtgc 900
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ggtcttttgg ttatgaatac tttgcagcac agctgagagg ctgtctgttg tattcattgt 1560
ggtcatagca cctaacaaca ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
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aagtttctgt cgtaaaaaac agatttgga agactggact cttaaattctg ttgattaaag 1920
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tgaaatatac tataacagtg aaagatagaa gcyaaaggta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg                                     2062

```

<210> 1532

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1532

```

cccgcgcgag gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctcggcgctg 60
ccccggtcgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

```

955

```

ggcttctgtg cgaggctggg cagccagccc ttcccccttct ntttctcccc gtccccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgtcccc agaagccgca cgtataactc 240
cctcggcggg taactcattc gactgtggag ttcttttaat tcttatgaaa gatttcaaat 300
cctctagaag ccaaaatggg acacagtaaa cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagaccct cttcagactt gaacaaggggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccatt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtt gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttaggggt tgcaaaagaa tcaggctaca 780
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wtgttggaca gctagtggaa aaattaaaaa aggaatggat tgttttttgt attactgatg 960
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atattcttgt gatttctcca cactaaaacc ctgcctgggt cttagacaga gcactttggc 1080
ttttctcctg tgatgttgca gaagggaaat acaaagaaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga 1158

```

<210> 1533

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1533

```

gggtgttcac tattgtgaat ttataatctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccgggggttct tttaccttcc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtgat tgggatttgg gaaaattgaa tcaagcattt 240
gcattcatcc agaatgggtc taaactgctg actgtgggggt gcccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgccaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaaggttca actagtataa tttaaaatga gtctttatat tcaggncagg 540
gtgcgggtggc tcacacctgt taatnccag cacttt 576

```

<210> 1534

<211> 901

<212> DNA

<213> Homo sapiens

956

<400> 1534

```
gtgcgcgcgcg gtccctgcggc agctggccca agacccggag ccgaaaggaa gtgttggagc 60
ctgaggctcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccctg gagccgctga gggacgtcca cgtgggcctg tccccgccga gccgcggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccc cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctccccg gactggatcg gctgcgtgga ggccagcctc 420
tgccctcgctc acttcggagg gccccaggga cgccctctgcc acgtaccccc gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcag 540
gttggggggg acscagatgc cagggtccaag gccttgctgg gartctgctg cgggtcaggc 600
acggaagcct atgtcctggt attggaccct cactactggg gcactccaaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagagggtga gtgcagcctt tgacccccaa 720
tccttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttggac 780
tgaggacgaa gttacagaac tgagattctc ggggtcccaga caccgacctt tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtctgag 900
c 901
```

<210> 1535

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1147)

<223> n equals a,t,g, or c

<400> 1535

```
caccncatt aagggancaa agctggtgct ccaccgcggt ggccggccgct ctagaactag 60
tggntcccc gggctgcagg aattcggcac gagctctttc aggctttaat agatattcaa 120
```

957

```

gaattttatg aagtgcctt actggataat ccaaaatgta tagatcggtc aaagccgtct 180
gaaccaattc aacctgtgaa tacttgggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcacia atgaagtgat aggtccagaa 360
ttggttcatg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata ttccaccaat aaagccaaca gaagctgttc ttccctctcc tcccactgtc 480
cctgtgatcc ctgtcctgcc agtccctgct gagaatactg kcatcctacc caccatacca 540
caggcaaadc ctcccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aaccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgcccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcggtga aagaagcagg gtctaytgta cgcttgatg taaaaagaag gaaaccagtg 900
tcagaaaaaa taatggaaat aaagctcatt aaaggtccta aaggtcttgg gtttagmatt 960
gctggagggtg ttggaaatca gcatattsct ggggataata gcacttatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtanctgc cttaaagagc 1140
acatctnatt tt 1152

```

<210> 1536

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 1536

```

gaagaggacc tcgatactgt cctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttgga cctgaaggaa tggattctga ccttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaagggtg gatagccgga atcaacgcca 360
tcttcgggtc agtcgcaagc ctcccttggg ggttagccga acagaagggt acataggagt 420
cttgattgat gacctacta ctctgggcac caktgaacca taccgcatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgcctga taatgctgac agccggctca cactgcgagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaatggaa 660

```

958

```

aaaattaatc ccagaggctt ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tgttctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagtctg 960
agagaaaacta catttttagtc gtccacagac gatcggggct gctagtcgca taccgggagt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaaag attttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattatct agcacatgtt aaaatagctt tattaggtta 1260
ctatggggttt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgcct attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

<210> 1537

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctacca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cggccctgcc 240
tctgacattg tcggtgggtt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtcttttg tggtttttaa aacagttgtt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccaccca 480
gg 482

```

<210> 1538

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccgccagc cagtccggcc atgtctccca 120
caaccctggt ggtcactgga gccacttccc tgcccacgcc agcaccctat gccatgcctg 180

```

959

```

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcgagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacacctt cccgcggatc acatcccagt acctgggtca tcgcgggcgg atactgcacc 360
tccggaagag ggccttccag acttccaccc tcctccactg ccccaggaag acccctactg 420
cctggatgat gcacccccca acctggatta cttggtccac atgcaggggg gcacccctctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccca 540
cctggagacc tacacggtgg acatgagcca catcctggct ctcacaccg atggccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcattgagat 660
gttaaaccgaa atgtccgagt tcaaagagtt gaagagtaac cccaccggg acttctataa 720
cgt 723

```

<210> 1539

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1539

```

taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaaactc ttgatgcctg tgccctgttac tacagaatgc 180
tctgctgtct gccttttagag tgtagaaatc ctagtttagac tagtattctg gctactttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggctctggt 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccatc 360
ctccttttct tgctccttgt ttcctcagct gtaaaatcac aatgattctg atacccctact 420
ttataatatt gctctgagga tttaaatttg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtggt gggtgaaatt 540
ggtttttngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagctc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatctctgc agtattttaa aaattccttt 720
aaaaaaaaactaa atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaaa 937

```

<210> 1540

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

960

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<400> 1540

```

ggccgtggcc accaagcccc ggccgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggngcg agcgggtaaa ctgcccaccg ggccggccac ccgctgcgcc cccggccccgc 120
aagaggcagt cccaataggt tggcccgncct ggccgaagtc cgcccgagac ccgctcacct 180
gtcagcccc actgccgaca gggacactaa caggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gagcgctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcggaa gggctctgga 360
ggttcaggga a                                     371

```

<210> 1541

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 1541

```

accaacctca ctaaaggagc aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtggtacc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggctgca ggatgtcttg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgccccg tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgctgccc cctgttcacc caggaccctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctagtctagg tgtcgaagcc ccaaagcag 420
cgggtgctgtg tggccagtca gcagaggagc aggaatcatt cggccactgt tcagacggga 480
gccacamect tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcagggtgtcc acgcgctcca ggccagttag ttggttgtca cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga cctggggcca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctcccgat gtatgaaggc 780

```

961

cggattcttgg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggatgaactg 840
ttggagcccg aagctcttgt gaactgtctt ggctgtgagc aactgcgaca aaacattttg 900
aaggaa 906

<210> 1542

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (735)

<223> n equals a,t,g, or c

<400> 1542

aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60
nctcgttaact gagctgaatg attcaaggtc agaatgtatc acagcaacta ggaaaatggc 120
agaagaggta gggaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180
ccatggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240
gcacctgtg tcttttgctc cattggacga gagtaattcc tacgagcact tgacattgtc 300
agacaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttacaaaag 360
tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420
gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480
tcaaggtgac ttggtgaagg agatgcagct gggcttgagg gaggggctcg ttccatccct 540
gtcatcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600
cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660
ttcagcaaac cagtgcagtg tagatgaagt attttgcagc agtctgcagg aggagaatct 720
gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780
tgagggtgac cggcagtccc tcgagaagct agaagagaaa atggaaaagtc aagggattat 840
gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900
tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960
agatgagtcc agttggcgc 979

<210> 1543

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

962

<223> n equals a,t,g, or c

<400> 1543

```

gccccactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgtttgca atctaccatg gttcccatgg gctggrgcat attgcctagg aggggtacata 180
atgccacttt gattttgtca gaaggtctca agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c 301

```

<210> 1544

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1544

```

ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaagggtgg 60
ccataggaca gtccttttaa taaaagcttc catgtaaaac caaaataaag gtcagtatag 120
aaagtatcat ggggtatata acaaactgaa tttttggctt ccaatccaaa ctgggctaaa 180
tggtatgttt attttaaaca aggaatttgc catggacaag atctatctgg cttactgtga 240
gttagaagta cgccctgccg taacactggg atttccacat agtatggaag aggaagagag 300
gaaaacttaa ttaagtgttg caaaattgtt tgaggaccta ttttgggtcca ttccttatca 360
actccatgtg tgatttcaag ttatctaaag ggcatgtgac tttatttctg actaacatca 420
agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
ttccaagggg aagctccctc gttggacatc cagaagattg cattttctct tcagagtaca 540
attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatggtgtga cagaatgtgt tg 652

```

<210> 1545

<211> 2236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2223)

<223> n equals a,t,g, or c

<400> 1545

```

gctctaagtc acggggaactg cccttgctac ttgtgacctg ccctttactc agcagttttt 60
gttctgggaa gccctgggat tctgctaata cctatcactg taggtgctga agggaaacag 120
atgaagaaca tgacctcaag gagcttcctg tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaaatac 240
cttttggagg gttagaagat caggggacat ggttgttcac atttgctgcc acggaacacc 300
gccagtcttc acttggaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tcctcctcca ccttccctgt gctcgggtctc cacctgtctc 420

```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
gggctgctat atgctgctgg ccactgtggc tctgaaactt tctttcaggt tgaagtgtga 540
ctctgaccac ttgggtctgg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
gtataatttc ctgaaacttc cagcaaagag gtctatcaac tgttcagggg tcacccgagg 660
ggaccaagag gcagtgttc aggtattct gaataacctg gaggtcaaga agaagcgaga 720
gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
aaggaagttc atacagttcc cactgagcaa agaagagggt gagttcccta ttgcatactc 840
tatggtgatt catgagaaga ttgaaaactt tgaaaggcta ctgcgagctg tgtatgcccc 900
tcagaacata tactgtgtcc atgtggatga gaagtcccca gaaactttca aagaggcggt 960
caaagcaatt atttcttgtc tcccaaagt gtctcatagcc agtaagctgg ttcgggtggt 1020
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ctcagtgcgg tggaaatact tcctgaatac atgtgggacg gactttccta taaagagcaa 1140
tgcagagatg gtccaggctc tcaagatgtt gaatgggagg aatagcatgg agtcagaggt 1200
acctcctaag cacaaagaaa ccgctggaa atatacttt gaggtagtga gagacacatt 1260
acacctaacc aacaagaaga aggatcctcc cccttataat ttaactatgt ttacagggaa 1320
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acaactgatt gaatgggtaa aagacactta tagccagat gaacacctct gggccacct 1440
tcagegtgca cgggtggatgc ctggtctctgt tcccaaccac cccaagtacg acatctcaga 1500
catgacttct attgccaggc tgggtcaagtg gcagggtcat gagggagaca tcgataaggg 1560
tgctccttat gctccctgct ctggaatcca ccagcgggct atctgcgttt atggggctgg 1620
ggacttgaat tggatgcttc aaaaccatca cctgttggcc aacaagtttg acccaaagg 1680
agatgataat gctcttcagt gcttagaaga atacctacgt tataaggcca tctatgggac 1740
tgaactttga gacacactat gagagcgttg ctacctgtgg ggcaagagca tgtacaaaca 1800
tgctcagaac ttgctgggac agtgtgggtg ggagaccagg gctttgcaat tcgtggcatc 1860
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tttctcacta agtgagaatg agaactgctg tgatagggag agtgaaggag ggatatgtgg 2040
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ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttcc 2160
cttctgtact gttaacttaa aaataaatag ctctgtattc aaagtaaaaa aanaaaaaaa 2220
aanaaaaaaa actcga 2236

```

<210> 1546

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1546

```

ggataatcct ctctccctgt tcccctcatt tggtgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaacctgct 240
tccttggtcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

<210> 1547

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

964

<221> misc feature
 <222> (778)
 <223> n equals a,t,g, or c

<400> 1547

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gggattacag gcgtagaccac cgtgcccggc ctgattctct taaaattgaa gaggtgctgc 60
caaggccttc agatctaacg cagatgcata gaccttggtc ctggtacttg ttcagcctgt 120
gctggggagc cgtggtcccg agttccctgg gaggtgaca ggggtcaagcc accctgccca 180
ccacctccc acttcccctc ccttttcctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggta gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtgggggaatg gggaggggaag ggcatagcct gtcctccat gagtctgaca 360
tctcggaaac tgagcagctg ccggacgcct gggtcaggaa tccaagaccc cacctcttaa 420
ggactgggtc ctcagaaaagc accctcaggg aaaaagggtga aaacattaca tccgtggatt 480
ctcctgccac aaccgcattg gaagaaaagg ctgccgcaac atctcagcga ggagtgaagg 540
acccatgtcc caggaaccgc gctgcgccac ctgcactcac cccctcaca ttctcttaag 600
caccgggtgg ccctccgagg cctggcggaa tgggtggtgcc cacgggggttg ggcaagggct 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttctt aagaaaagctg tgttcttctg ttgaccaga cgaatagngc 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgtc ctaactgggt tgaggcctta cagttttgka tctacatttt tccccctctg 900
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tactgtcac tgctcacttt ctgatcactc tgatactttt tttttttttt ttttgcaacc 1020
tgataccttg aaaagcttct atgtgtctct ccttttggtg cctggcagct gtctaggatg 1080
atcactgatt actatttact aagtagccac atgcaataaa aagttgtttg gtaaaatgga 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

```

<210> 1548

<211> 1423

<212> DNA

<213> Homo sapiens

<400> 1548

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tgccctttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataatth actatggagc aagtgcacc atctctagga cattaagaca tttatgagaa 300
atctcaggat tcattctctg tttttatgtt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatga gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg ttatttcaag tatacaatth ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttgtttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcatacta atgtaatgta atttccctth atttcttgct cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaa aatattcctc ttattagctt tatattcact 840
ttatagaagt tgagttttta ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gtcctttata aatatgttga tatctcagaa gacagcatcc cgtttttcat tttataaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagttth aactgtttac ttcatttaac agtttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc ttcccatcta 1140

```

965

```
tatcaaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaaact ttagatttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaaa taaaatatat tttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtggtta atgatttttc tgggtgttgct 1380
gctaagtgtg attaacaaat aaaaacattc attgcctttt aaa 1423
```

<210> 1549

<211> 457

<212> DNA

<213> Homo sapiens

<400> 1549

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ggtttctggag ctggaccagg aggagctgca gctggggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gagccgcccc cagcccgcgc 120
cgaggcgccct tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc ccctctctcc ttttcctgga ctggctctca 300
cccccttcgg tccccctcct ttagctcagg ctccctaccc cttcctttag cccacaagcc 360
cagaagtccc aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcctttgc actatcccta tcctgcctt tctctat 457
```

<210> 1550

<211> 977

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1550

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acccacgcgt ccgaaacact agcagcaaaa agtaagggat accaattgtg agaaacaaat 60
cacaactgca catcaaagt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240
```

966

```

acaccatttta tccccccaca caaaataata gcatgagctg tgttttagag gagataggggt 300
gccaacacaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggagtt 360
ggtaaacgct ggtgtggtac atgtggcttt setcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aatagagag atgtgagcct gtgaggcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtgggttagca attattcctc 540
tgagtgggag ctggaccctg taaaggatgt tctaattctt tctgctctga gacgaatgct 600
atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
ggaaattatc aactgtgcac aaggaaaaaa atagatatgt gaaagggttca cgtaaatttc 720
ctcacatcac agaagattaa aattcagaaa ggagaaaaca cagaccaaag agaagtatct 780
aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
tttcttggat ttatgttctg tatctgtgaa aaaataaatt tcttataaaa aaaaaaaaaa 960
aaaaaaaaaa aaaaaaa 977

```

<210> 1551

<211> 2540

<212> DNA

<213> Homo sapiens

<400> 1551

```

tgcaactgtg caccagctt gccagatttt tccccattac acccccagtg tggcatatcc 60
ttggtcccca gaggcacacc ccttgatctg tggacctcca ggccctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtgggtgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggccc tctgaatgga gttctgacac 240
cgcagagggc aggccatgcc cttatccgca ctgccaggtc tgtcggccca gcctggctca 300
gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
ccaagagtgt gctccagatg tgtttgggcc ctacctggca cagagtcctg ctccctgggaa 420
aggaaaaggac cacagcaaac accattcttt ttgccgtact tcctagaagc actggaagag 480
gactggtgat ggtggagggg gagaggggtg cgtttccctg tccagctcca gaccttgtct 540
gcagaaaaca tctgcagtgc agcaaatcca tgtccagcca ggcaaccagc tgctgcctgt 600
ggcgtgtgtg ggctggatcc cttgaaggct gagtttttga gggcagaaaag ctagctatgg 660
gtagccagggt gttacaaaagg tgctgctcct tctccaaacc ctacttgggt tccctcacc 720
caagcctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctccc acagtaaggc tgctacatca 840
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tcagggaagg agaaagcatg actggattct tactgtgctt cagtcattat tattatactg 1860

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967

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ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
gcttttttcag tccataaaat gggcctactt aatagttggt gcaggactta catgagataa 1980
tagagtgtag aaaatatggt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
acctgtcaca gagcccatct gaacacagca tgggaccgcc aacaagaaga aagcccgccc 2100
ggaagcagct caatcaggag gctgggctgg aatgacagcg cagcggggcc tgaaactatt 2160
tatatcccaa agctcctctc agataaacac aaatgactgc gttctgcctg cactcgggct 2220
attgcgagga cagagagctg gtgctccatt ggcgtgaagt ctccagggcc agaagggggcc 2280
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ggaaaaaaag gacacctaat ctcctacaaa tggctcttag taaaggaacc gtgtctaagc 2460
gctaagaatg cgcaaagtat aaattatcag ccggaacgag caaacagacg gagtttttaa 2520
agataaatac gcattttttt 2540

```

<210> 1552

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (605)

<223> n equals a,t,g, or c

<400> 1552

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aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctgggtga acagtcagat 180
ttatttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
ccgttcgtat ttatattaaa gaattctgta ccctgatggg tcagaagggt tcttgggcct 300
tttgttcmat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacg gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttcttctgct ctcacattct gagaaaacaa aagaaataaa 540
gtttttattc tgaataatat ccgtnttaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

```

968

<210> 1553
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 1553
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 tctgtgtcct gatgacaagt agctgcctag ccgtgggtggc acctcctatc acatgttaag 120
 ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
 tagtgtaaac caaagataaa attctaagcc cactccccc gccatcggaa tggacccctc 240
 ctcttggcca gggcactcca aagttaacct gaaaaaccgg ttcaggctgt gaagagaagg 300
 tggagtggac atgcctcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360
 catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
 agcgtgctac ctggagtctt cctttgcatg ataaaacttt ggtctccaca accccttatt 480
 ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
 ttttgaatct acctataacc tggaaacctcc ccgctccacc ttcgagttgt cctacctttc 600
 tggacagaag caatgtggat cttgcatgta tttgattgat gtctcatgtc tccctaaaat 660
 gtatacaatt aggcgtgtgcc cagatcaccc tgggcacatg ttctcaggcc ctcttgaggt 720
 ctctgtctcg ggccattggc cactcagatt cggctcagaa taaatctctt caaatattaa 780
 aaaa 784

<210> 1554
 <211> 1931
 <212> DNA
 <213> Homo sapiens

<400> 1554
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 ggaacttccc tgcgcttttc agaccatact ctttacggta ctaggcactg ctgagctggg 120
 agatgtcggc ggcgtgttgg gaggaaccgt ggggtcttcc cggcggcttt gcgaagsggg 180
 tcctggtgac cggcgggtgt ggtttcattg catcacatat gattgtctct ttagtggaag 240
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 atcttgaaac catttctaac aaacagaact acaaatttat acaggggtgac atatgtgatt 360
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 cacaaacaca tgtagatctt tcattcgtac gtgcctttga gtttacctat gttaatgttt 480
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 tcagcacaga tgaagtatat ggtggcagtc ttgataagga atttgatgaa tcttcaccca 600
 aacaacctac aaatccttat gcatcatcta aagcagctgc tgaatgtttt gtacagtctt 660
 actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
 atcaatatcc agaaaagggtt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
 gttgcattca tgggtcaggg cttcaaaca gaaacttcct ttatgtact gatgtttag 840
 aagcatttct cactgtcctc aaaaaaggga aaccagggtga aatttataac atcggaacca 900
 attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgatc aaagagacca 960
 attcagagtc tgaatggaa aattgggttg attatgttaa tgatagaccc accaatgaca 1020
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 ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
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 gtgcactctt ttcttttggg attagattca tgactttctg tataaaattc aaatgcagaa 1320
 tgcctcaatc tttgggagag tticagtact ggcatagaat ttaaattgtc aaattctttc 1380
 tgaaacctt tctcctagaa actaggaaat aatagggtga gaagactctc cctaagggtg 1440

969

```

gccaggaaga agtctcctga ttcggacaac catgaggggt agtggtgcta gggagaaggc 1500
aaccttcact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
aatataggat gtcttaggcc ctaattcacc atttcttttt taagatctga tatgctatca 1620
ttgccttaat aatggaacaa aatagaagca tatctaacac tttttaaaatt gataattttg 1680
taaaaattgat tacgttgaat gctttttaag agaagtgtgt aaagttttta tattttcaca 1740
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atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttatatt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaaa aaaaaaaaaa 1920
aaaaaaaaaa a                                     1931

```

<210> 1555

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1555

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agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcaggtt gagcacctgc tgaatgctag gatttgtgtct atgcatttta 180
aatctatttt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag ggggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
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```

<210> 1556

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 1556

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gatggcatct ctctggcact tggcagcgat ggccttcatt acttacgtgc tcttggctgg 120
gatggcactg ggcattcaga aaaggtcagt gccaaagcccc tcccttacct tccctccct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagctc accctctgtt 240
gccccagctt ctcttctca ccctgctc aggatgcctg gctctgagcc acccttgctt 300
tggcgcaggt tntncccgga ggtgctgggc ctgtgtgcaa gcacag                                     346

```

<210> 1557

<211> 1577

<212> DNA

<213> Homo sapiens

970

<400> 1557

```

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caggtttgas cytgcwtggc ccmagctccy tcagtccctg cctggcaagt cctccatkgg 120
cacaacmasm ttgccttggg ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcca accattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttctgaaaa gaaaggtggc 300
ttaaaggaac tgtttggaac gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gatttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagtcttg aaaatatgac agtcacctgt tccaccaaag ttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgsccgatt tgtataccga 540
ataraccgct cccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggttaaca 660
amcagggata cacamgawac tctactctgc atggcctgtg tgtttgaagt ttcaaamgt 720
gaacmcggag cacaacatca tatttacagg cttgtaaagg actgaacatg gttatttata 780
tatatagata tctgtatata cacacacaca tatgtgcaca cacacactct ctctccatta 840
tcgaacgact gactgtaaac ctcaccacac aggggtggtgc cctggccccg aggtcacccc 900
gacttttcta aatcttgttt gagtgaagtc attttttcat gtgttcatac tatcattgta 960
gctgtgaagt tctggtacag ttgtaaaaag agaaattgag ttgtttctct atgttcttca 1020
gatgtgcmgc ccacaattcc tcgggaaaagg tgaacctgaa caaccgaagt ctctctctgc 1080
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gatacaagta aaattaatct ttaaataata atgtaaatta gtacacaaaa ctaagaatct 1260
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cactaatctc ctaatccatt aaactcttga acaggatatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttta aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg                                     1577

```

<210> 1558

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1558

```

gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtac aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacacccgat tgggtcttcg 240
gagggttccc cagcccggga tttcggagga gcccttca                                     278

```

<210> 1559

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

971

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1559

```

ntttgttcct gtcacctggg ttcattcttgt tgtgaagcac attaggtcca ggtccttccc 60
tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc tgtagataag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccce 180
cctattgtaa ctattcarat agagcaaaat taggaggcct gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttggt ctatgtgggt cttcctaagt 360
aaactctgta ctgattatat actgacttag caatgtggcc ttggaatgct gagcaaaatg 420
tggatgtact ggttgtaaat gtttatatat tgtacagtac ctttatatat acacttgagg 480
ttctgattag agaaagatct gtaaattgct cattatTTTT tatatagata tttaaaaaaa 540
acagtttatg gcctgcattt ctttnactgt cacattgggt taatgttgct ttctaattgg 600
ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
cttttatatta tttataaata gaggtttgaaa t 751

```

<210> 1560

<211> 1938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<400> 1560

```

agcaacctat agatcatgan aggcaacggt nanctgacag taccgggtcgg aattccccggg 60
tcgaccacag cgtccrgcgg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaagcag cggtcggggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgccgtcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcggtcggc gtccctctcc tcctcttctc cctcctctc 480
cgactccgat gtgtctgtga agaagcctcc gaggggcagg aagccagcgg agaagcctct 540

```

972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcacagc gacgaggtgg accgcatcag tgagtggaaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggccccgc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcgggcc gaccgcgggg aggctgagcg 780
gggcagcggc ggcagcagcg gggacgagct cagggaggac gatgagccc tcaagaagcg 840
gggacgcaag ggccggggcc ggggtcccc gtctctctct gactccgagc ccgaggccga 900
gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcggccccgag gagaagcaac aagccaagcc 1020
cgtgaagggtg gaggcgaccc ggaagcggtc cgagggtctc tcgatggaca ggaaggtaga 1080
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gaagattcgc cgttacaaa cgaacaaggc cgtaatggag aaggcagcag aagtctatac 1320
ccggtcaag tcgcgggtcc tcggcccaa gatcgaggcg gtgcagaaag tgaacaaggc 1380
tgggatggag aaggagaagg ccgaggagaa gctggccggg gaggagctgg ccggggagga 1440
ggccccccag gagaaggcgg aggacaagcc cagcaccgat ctctcagccc cagtgaatgg 1500
cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
ctcggaggag gggccaaggt gtggtcctc tgaagacctg cacgacagcg tacgggaggg 1620
tcccgcactg gacaggcctg ggagcgaccg gcaggagcgc gagagggcac ggggggactc 1680
ggaggccctg gacgaggaga gctgagccgc gggcagccag gccccagccc cgcccgaact 1740
caggctgccc ctctccttcc ccggtctgca ggagagcaga gcagagaact gtggggaaacg 1800
ctgtgtgtgt tgtatttgtt cccttgggtt ttttttctt gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaaggcgccg 1920
cgctctagag gatccctc                                     1938

```

<210> 1561

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1561

```

cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggagggg cccaaccggg gccggcagtt ctttaagtgc 180
aacggagggtg gctgcaactt ctctctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgccacc agggccaggg 300
atccacctag gtgggttttg caaccctggg gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaaagg gagagagcag cagtgtggct ttttccagtg ggtcgatgag 480
aacaccgctc caggggacttc tggagccccg tcctggacag gagacagagg aagaaccctg 540
gagtcggaaag ccagaagcaa aaggcccccg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacaccgctc ccttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact ttyttcagac ctgtcccctt 720
tgtgtttagg aaatgagttt aaccagggac caagtgggcc atttttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggc tttctttgtt gttttaaggg 840
gggcacaaaag gttcccatat ccattcttgg gagcagggcc agcttnttg 889

```

973

<210> 1562

<211> 1385

<212> DNA

<213> Homo sapiens

<400> 1562

```
ggtcggagcc ggggtgtccag ccggaagcgg caccggctg gccccccagg agaggcacag 60
gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120
cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gaccctgtac 180
tttgctgaca cctacctgaa ggacagctcc cggcactgcc cctcgtctgt ggctggcacc 240
aatgggggca ccatctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300
gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360
ggcatcctgg tgctcgacgg acacagcgta ccccttccyg agccctcga agtggcccat 420
gatctgtcga agagccctga catgcaggga agccaccagc tgctcgtcgt atcagaggag 480
cagttcaagg tgttcacgct gcccaagggt agtsccaagc tgaagttgaa gctgacggcc 540
ctggaggggt caagagtgcg gcgggtcagc gtggcccact tcggcagtcg tcgagccgag 600
gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660
ctgcccctgc tcaagcccca ggtgcgctac agctgcattc gccgggagga cgtcatggca 720
tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca ccctcggagt 780
ttgagcgctt ctctctctcc accaagtggc tgggtggagcc ccggtgtctg gtggattcag 840
cagaaaccaa gaaccaccgc cctggtaacg gtgcggggccc caagaaggcc ccgagccgag 900
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gcgctctgct cagtgatgag agagcggcaa ctggcggttca catcgagcsg ccgtgggggtg 1020
cagcctcagc aatggcggag agtgagtggc tgagcgtcca ggctgcgcga tgagcacaca 1080
ctactactga tggcctttcg ggggtccctg ccccarccgg agaggccggt gcacagggcc 1140
ccgccagggg ctggggggcat ccgggttcc acaatgcagc tgctctgggc ctcgggagag 1200
gagagacccc agtcccctgg gctgcscttc ccgggcctcg tctgtctggg tccttttggtc 1260
aatgttgcac agtttttatt gctcccatcc cttttttagt tgggctgggt tttaagttat 1320
aaatgttaac tgcctctggg tgaaaaagtt tttaataaac acctattacc tcttgactgg 1380
tcaaa 1385
```

<210> 1563

<211> 862

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (56)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (784)

<223> n equals a,t,g, or c

974

<400> 1563

```

cagacctggg atcncacaca cacacacttt cacacacaca cttcacacat cacacnactc 60
ccaccaccgt catgatggag gaattacgta tacattcata ttttgtattg attttkgatt 120
atgaaaatca aaawttttca ctttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact ccaactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgccc actcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaa atccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaaata tacaatcgga attcaagcat ctcccattgt cccacaaatg tttggctgtt 420
tttgtagttg gattgtttgt attaggattc aagcaaggcc catatatgtc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacgtt gctggttgaa 540
atcccagagg gtcatttgac atgggtctct gaacttatct ttcctataaa atggtagtta 600
gatctggagg tctgattttg tggcaaaaat acttcctagg tgggtgctggg tacttcttgt 660
tgcatcctgt caggaggcag ataatgctgg tgccctctcta ttggtaatgt taagactgct 720
gggtgggttt ggagtcttg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg gcggcagaac 840
aggtgttttt ctaattctgc ta                                     862

```

<210> 1564

<211> 3107

<212> DNA

<213> Homo sapiens

<400> 1564

```

ggaatgtttc aaaaggatat gatgaactga ggcttatcga gtcagggagc agaaagctga 60
aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcatggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattt gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcacttcacc actgtattcc agaacagtgt 360
ttacaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggtttta atgttttgct aagtcatgtg ttgttcataat cccaaaaact 480
tttataggta actgttttca aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cctttatcaa ttggttacta tttcaatgca ccctttaaaa 600
tttgctatgc aaatgagtat atgcttgtag ttgactttaa tatttgtgct aaagtgagca 660
aagctaactg tataaagaaa acacagtggtt ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgaagaa ctattaatgc cccttgsttc 780
ttttttctgc ctcttgctct tgtcttttgg acatttcagt gattgtaagt tcttcggtca 840
tgtcagcccc tgtcatcaac ttgagttaca gtagatgggg cagacatgga gtgtttgcta 900
tatagaacta tctgtttgtt ttacttcctt gtgcgctttt tgttctctgt tctcttgta 960
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ttctctctct ccccatattt tctgtcaaat aagtactgtt tactcattta gttgcttata 1140
aagtacttat tcttggtttt aaaaaaaatt aatggtaact gtatttttct catttttagc 1200
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cttttactat taagatacaa taaaacatga ctaattttgc tgtcaaaaat gtaaaagaata 1440
atgataaatg gagtttttat attttacttt taagattgcc tgtctttaat aagacaaagc 1500
cttaagcctt atgtttataat tttggttcta aaaaccatca tttcagtata aggaataagt 1560
atatttcgtc ctctctttta gtttttttct tcctatttat ttttattttg aaaaatttct 1620

```

975

```

acaccttctt tgaattcctt gtatgaatth ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
gtttctggtg cccactcctg gaagccgctg ttccctttct accttcttac cagagcccaa 1920
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ggagtgtgcc ctcagagaag caccgcccc cagtcttggt ccagcgcta gagccgcagc 2040
tcccagggat gctccttccc tggaggcagc ccaggagagg gactctggca gcgttcttca 2100
gatttgtggc cactgtttct catttgtgtg ttgactgttt ttatttctta ggcttttgtc 2160
agtttttaga aatagggaag cagcccttga tttgtggatt aaaagcaaca tttgagcgat 2220
gatgcacaac agtccaggaa aatgggcggt ggacacttga ggctgaggat gggagtgtgac 2280
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ctgattgtgt acatccagca gttacaatth ttaaaaaatta tacttttaca tttattttat 2400
atttttctca cccccagtaa tttccttcca aagaagttca catgtaataa gtagaaattc 2460
tgtataggaa aaaagcatta aaaatactat tataactgct tcatttgcgt ggaaccatta 2520
aaagtaatat aaattagctt tttccagaag gatccttttg tagcagtgtt tatgaatgta 2580
acccccagca aaatatggct atatatagg ggagccagtt tggagcagag gcctgaagggt 2640
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tgatggcaat gcagattggt agcaggttcc ataggcgta aaaacagtat taaagctcag 2760
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gggcaaagaa gcgatcaaaa tagctattgc tacaacattt tcgaaaacaa agttggggct 2880
gtatttcttt aaaaagataa gcctctaaaa atgcttggca aaaaaaatat agtgttaaaa 2940
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aggagtattg tatttttatg aattttatgc cagttgttta catgtactat atatgttaaa 3060
ttaaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

```

<210> 1565

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 1565

```

ctcgtgccga attcggcacg agstctctgc aggccccatc gaggggaagaa gctgccaaagt 60
ggagccagggt ccggaaagat ctgtgctctt traagggtctc tctgcagctg cgggggggag 120
atggcagtggt ctggaaactac aaacccccag ccgacagtgg cggnaaaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcacatc agcttttgcca 240

```

976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnngc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

```

ggtgacagct sccagcggca tcctcgatgt caccgtgggtc tacctgaacc cagaacagca 60
ttgtgccag gaatccagtg atgaggagggc ttgtccagag gacaagggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaacccct ggacccaaac ccctgggtccg 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcaccgc 240
aagtcccaca agctccgtgg acggtggctt gggggccctg ccccaacctt cctcagtgt 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcatgttt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

```

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

```

gtggttgccct taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacagggttg gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttatttaagt acttatgaag garaagattt taccatgggt 240
tgaacaacta ctccatttaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

```

977

<210> 1568
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 1568
acgagggcag caccagctgg aaggcggcct tggaggttc caagggctgc atcaagtgcg 60
aaggccctgc ccggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120
acccagagac tggaacacag gcaggcagta ctgccacacc caccaggcgg tgctggctgt 180
gattcagagc cagaaggagc tggaatttat gttcaagtgc acgcggaggg agccctggat 240
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggacccgt ttgatccgga 300
cacgttcacc atcgcaggtc caggggagtg tgtcttcgtg gagcccacca ggctgggtgtc 360
gacggagtgt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420
gtkgggccag angtkgccc cccctargcc tgtgggargt gtctgggtgtc tgctcaagac 480
ctgcttcagc cggacgcgcc tgccctctgc aaggcgaacg ggtgggtgcg tggcctccgc 540
cccaggcccc tctccagggc cctggcgctc tgagtccctg gttcctggcc tcctttgtct 600
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtgc 649

<210> 1569
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1569
cggagccagc cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60
tgaagagcaa gggccgtgtc acctgcccgg agggcggctc catctctgca gccaggtcag 120
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180
agagctggct gccagcctgg cctgccctct cttccccgtc ccaccatctc gcttggctcc 240
ggcacctgcc tgggaagacc cacacctccg tctgcagtgc ctcttcccc tggaggccct 300
gccctccgct cgggggtccc gcctccttcc gtggccctca gagcatcgcc tggggcgccc 360
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570
<211> 566
<212> DNA
<213> Homo sapiens

978

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatga gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg ggtaaatagg ggttcctgag 240
aaaaagggtg ctgagaagca agcaagcaca gaacttgagg ctgcctcttt ccctgcargc 300
atgtactctg agcccttgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgtttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggtatc ccaagncaag tttgta 566

```

<210> 1571

<211> 1657

<212> DNA

<213> Homo sapiens

<400> 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaatg aactttgttt tagttaaggc cagatatgat 120
gtggttggtg tgttttgga catgtttttt cagggtgcat ctggagggtgg tgggggttgg 180
gatggtgttc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagtatt tagcagaaga aaaatcaaaa ccatttccaa ttatgccagc cagtccacaa 300
aaaggtcatg cgtgaacct gctagatgtg ccagtctctg ttgcacgaaa actatctgct 360
cgggaacagc gagattgtga ggttattgaa cgactcatta aatcatatct tctcattgtc 420
agaaagaata ttcaagacag tgtgccaag gcagtaatgc attttttggg taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatgggatg aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacatct aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcttc tgaacttaac ttaaaaacaa ctgttaaatgt tctagttgtg caaagcagtt 960
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aagaaagctg aatgcacaag aggatctgtg acactgacat ggctgtgggtg tgcatactgt 1260
gtagttacat agcccttcca attctgggtc catttgcact agcaaattaa aatatgcttt 1320
gattcatact taaacctgaa agcaggaatg cctacattaa ttctacatt aaaaacagcc 1380
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tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtactg tatgtatgca ttggtaatat ctacttttgc ttcatagctt cataccaaca 1620

```

979

aaatatatattt attagaatag tatgaaagta ctggagg

1657

<210> 1572

<211> 1186

<212> DNA

<213> Homo sapiens

<400> 1572

```

ggcacgagaa ataatcacct ggagtttggt aaaccatatg gattctcagg ctccctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
catttttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtcctt 180
ttgaattttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggg ttgaagtacg tgtgcccatg cctaaagcct 300
tgactttcag aatgttgctt tttgattctt ctgtcttgat ttgattaggg gtgaaattta 360
gaagtcttag taatgtaact tgaagatgtt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaaata ctgagacccc cccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctatct aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtccagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
tagggtttta aagcatccaa atggtaatta acaggcagca aaacttcaga actagttctg 1020
catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

```

<210> 1573

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 1573

```

gtgctntttt ttnaatgctg gggttaaaca aagtgcctctt cttggactta aagacctttt 60
gtctcaatac ccattttataa ttgatgcaca cttttcaaac atattaagtg aagtgactgc 120
tgtgttttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccattttttt ccttttggtta gtgcccctct 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttta aagtttttga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

```

980

```

ttttgtagaa cttatctctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atactctctg taaatcctaa tcggagactc acttctcagc aatggagggt 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtagggt 540
gagagaaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacac gcaaaggyag gtccargtya agstacggat ctggttggag gactgatggg 720
gggat                                             725

```

<210> 1574

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1574

```

caaaagcata gagaaattat aaaattcaag aacagatgtt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatgtt 120
gatgactctt caaggattag aatattttaca tcaacattgg atcctacata gggatctgaa 180
accaaacaac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccag ttactatttg gagctaggat gtatggtgta ggtgtggaca tgtgggctgt 360
tggtgttata ttagcagagt tactttctaag ggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcataca 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcggcc 660
agggccaaac cctggatgtc agctgccaaag accaaaactgt ccagtggaaa ccttaaaggga 720
gcaatcaaat ccagcttttg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgcccaag aaactaattt tttaaagaga acactggaca acatttttact actgagggaa 840
atagccaaaa aggcaataaa tggaaaaata gtaaacatta agtaaatgct gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaatatgt 960
attttaaaat aaaaatttaa ttctggtttt tctgattaga gtgcaaaaagt gagaaaagt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

<210> 1575

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<400> 1575

```

taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtggctta 60
aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgctg gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaagtgtc gcactctaca taaaggaggc aggagttcct 240
ataggctatt taatgtaaga gaaactatct ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaatttttaa 360

```

981

```

ttttgctact acattcataa ctcttaaatt gtttagctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
tacctttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgagggt gggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcca 780
ggtgttacaa ttcttaactt cctccaaatt cgkggtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg                                     859

```

<210> 1576

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1576

```

cgggtcgacc cacgcgtccg agaaaaagag ggaggagaga aggaagggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag ccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagtaaa aaaacaaaac aaaaaacaaa aaaaaacaaa aaaaaaccct atttaaatga 240
aaggagttaa aaaacatttt ttaaggaggg agaaaggaga aatttttggtt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggttttggtt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaaggctc ttgtaaaatc ttgcagtttt gtaagccctc tttaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtgtgtgcc tgccctcctg agcctccgcc ttcccagcag 540
cggcaccaag gggccttagg gagcccaaaa acctaccact cgcgtgttcc ccaagcgcct 600
ggctgctgct tcttgcttcc cgtccccag ccccatgctc ccttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa                                     732

```

<210> 1577

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1588)

<223> n equals a,t,g, or c

<400> 1577

```

tcttgtcttg gccggtggtg gccaaccaag tgttgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaaat gagttaaaaag 120
aaattttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
ccgtgatgc tctggctaaa aacctctaca gcagggtgtt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaaag tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcatgaaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600

```

982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atTTtgaaag caggatgagc aagtgtcttc ggTtccTcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgtctggaa aggtgtctgta ccagggtggaa ggattcgttg 780
acaaaaacaa tgaccttmtc tategagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atccccgcaa gatcaacctg aaaaggcctc 900
ctacagcagg ctacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
acgaggctct agtgtgtcat cagatcaggt acctggggct tttggagaac gtccgagtgc 1080
ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga taaaaatgc 1140
tttgtaaaca aacatggcct cattggaaag gaccagccag gtctgggtgtg gaggctctat 1200
ttaatgaatt agaaattccc gtggaagaat actccttttg tagatcaaag atattcatcc 1260
gaaacccaag aacattattc aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcgggggt ggaaatgccg cacacacttc ctgctaataga 1380
aaaaaagcca aattgtgatt gccgcctggg acaggagata tgcgcaacaa aagagggtacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat cgggggttg aaggctcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

```

<210> 1578

<211> 659

<212> DNA

<213> Homo sapiens

<400> 1578

```

gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg ccacggttgg gcacaacttc cccaactgat 120
gggccccttg cttcagctat cctccttgcc gcaatttctt gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgtcatc 240
atcccacttt cctctcaacc tctttatatc aaggcctctg gaacaaagag ataaaagggg 300
atttgtcaa tttccaggga tcacaaccct agttctcaga aaaaggagag gtctataaga 360
gtaaaggctc tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtgggtgt ggacaagtta tttatctctt tggggtctca gtttctctat atgaaaaatg 480
ggaataagga ctctcatcc ccaaggatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaatataa 600
ttgcttatca tcattaaaac tacctgcctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

<210> 1579

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 1579

```

gcggaacgct gggaaacaag ctgctaacaa tagtttgctt ttacatcttc ttaaaagcca 60
gactatacct aagccaatga atggacacag tcacagtga agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakaata ttcagawaac aaycctagtt ttacagatga 180
cagcagtggt gatgaaagt cttattccaa ctgtgttccc atagacttgt cttgcaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtcccaga tgtagatata aaagaagatc aagataaccyc 360
aaagaattct aagctaaact cacaccagaa agtaaacact cttcaattgc wacttggcca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccycag ggrgtacaca atgatgtgag 480

```

983

```

caagttcaat acmcaaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggg ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaatg gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccaactcaatg gaccttacia aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaaatgcag tcatccatgt cagtgggaaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacagggtc ctgaaccagg gctttctggt tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgtcctc ggggaacccc aacaaaggga agagtgaana 1080
aaaagagaaa actcccttaa gagatgaaag tactcaggaa cactcagaga gagctttaag 1140
tgaacaaata ctgatggtga aaataaaatc tgagccttgt gatgacttac aaattcctaa 1200
cacaaatgtg cacttgagcc atgatgctaa gagtgcacca ttcttgggta tggctcctgc 1260
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acctcaggat ttttctttct ccaagaatgg tctgctaagt cgattgctaa gacaaaatca 1380
agatagttag ctggcagatg attcagacag gagtacaga aataatgaaa tggcacttct 1440
agaatcaaag aatctttgca tgggtccctaa gaaaagggaag ctttatactg agccattaga 1500
aaatccattt aaaaagatga aaaacaacat tgttgatgct gcaaacaatc acagtgcacc 1560
agaagtactg tatgggtcct tgcttaacca ggaagagctg aaatttagca gaaatgatct 1620
tgaatttaaa tatcctgctg gtcattggctc agccagcgaa agtgaacaca ggagttgggc 1680
cagagagagc aaaagcttta atgttctgaa acagctgctt ctctcagaaa actgtgtgctg 1740
agatttgtcc ccgcacagaa gtaactctgt ggctgacagt aaaaaggaaa ggacacaaaa 1800
ataatgtgac caacagcaaa cctgrattta gctttcttct ttaaattggac tgatgtacag 1860
ttccct 1866

```

<210> 1580

<211> 1496

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

984

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<400> 1580

```

annctatata ncatcacagg aanggtanac tgacagtacg gtcggattcc cgggtcgacc 60
cacgcgtccg ctgagccatt agaaaatcca tttaaaaaga tgaaaaacaa cattgttgat 120
gctgcaaaca atcacagtgc cccagaagta ctgtatgggt ccttgcttaa ccaggaagag 180
ctgaaattta gcagaaatga tcttgaatth aaatatcctg ctggtcatgg ctcagccagc 240
gaaagtgaac acaggagttg ggccagagag agcaaaaagct ttaatgttct gaaacagctg 300
cttctctcag aaaactgtgt gcgagatttg tccccgcaca gaagtaactc tgtggctgac 360
agtaaaaaga aaggacacaa aaataatgtg accaacagca aacctgaatt tagcatttct 420
tctttaaatg gactgatgta cagttccact cagcccagca gttgcatgga taacaggaca 480
ttttcatacc caggtgtagt aaaaactcct gtgagtccta ctttccctga gcacttgggc 540
tgtgcagggt ctagaccaga atctgggctt ttgaatgggt gttccatgcc cagtgaagaa 600
ggaccatta agtgggttat cactgatgcg gagaagaatg agtatgaaaa agactctcca 660
agattgacca aaaccaaccc aatactatat tacatgcttc aaaaaggagg caattctgtt 720
accagtcgag aaacacaaga caaggacatt tggagggagg cttcatctgc tgaaagtgtc 780
tcacaggta cagccaaaga agagttactt cctactgcag aaacgaaagc ttctttcttt 840
aatttaagaa gcccttacaa tagccatatg ggaaataatg cttctcgccc acacagcgca 900
aatggagaag tttatggact tctgggaagc gtgctaacga taaagaaaga atcagaataa 960
aatgtacctg ccatccagtt ttggatcttt ttaaaactaa tgagtatgaa cttgagatct 1020
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taaaggataa ttatccaata aaaaaaac tagtgctgat tcacagctta ttatccaatt 1440
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<210> 1581

<211> 3898

<212> DNA

<213> Homo sapiens

<400> 1581

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cagcccttcc aaccaagga atcccacaaa agatggcgat gaygcccag aggctaaact 540
gattgcaacg tttccagaca ctttaacctt ttctgcatat agagaactga gggctttccc 600
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cacctttgac accccagatc tggatattaa tctgaagtta gaaacaacaa gcaatcaaga 780
taatttggct ccaattacag ctaaagcaaa agtggttatt gaactgcttt tatcggtctc 840

```

985

```

gggagttgct aaaccttccc aggtgtatatt tggaggtaca gttgttggcg agcaagctat 900
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caatgggaaa tggttgcttt atttggtgaa agtagaatcc aaaggattgg aaaaggtaac 1080
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986

<210> 1582
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<400> 1582
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gcccagtagaca aacctccag ggtgcctctg accccttgcc tgacccctg gggctgatgg 120
atctcagcac cactcccttg caaagtgtc ccccccttga atcaccgcaa aggcctcctca 180
gttcagaacc cttagacctc atctccgtcc cctttggcaa ctcttctccc tcagatatag 240
acgtcccccaa gccaggtccc ccggagccac aggtttctgg ccttgcagcc aatcgttctc 300
tgacagaagg cctggtcctg ggacacaatg awtgacagcy tcagcaagat cctgctggac 360
atcagcttity ctgggcctgg gacgaggacc cattgggsc tggamaacat caactgggtc 420
cccatTTTTat ttcntgaggt tacantt 447

<210> 1583
<211> 1274
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

987

<400> 1583

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cgacgcgcag ctgcaggctg agaagcagaa ggccaggga gaagaggagc aaaaagaagg 180
tggagatggg gctgcaggctg accccaaaaa ggagaagaaa tctctagact cagatgagag 240
tgaggatgaa gaagatgact accagcaaaa gcgcaaaggc gttgaagggc tcatcgacat 300
cgagaacccc aaccgggtgg cacagacaac caaaaaggct acacaactgg atctggacgg 360
gccaaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
ttacatgaaa atgcacttgg ccgggaagac agagcaagcc aaggctgacc tggcccggct 480
ggccatcatc cggaaacagc gggaggaggc tgcccggag aaggaagagg aaaggaaagc 540
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gcctggggcc tcctcttcat cttggcacag aaattgtttg ggggatgggg ggggggactg 780
ggggaggggg agctgctatc tttgagacag aaagrkyag aagagctttc atttgtctgg 840
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cacacagccc cggactgtgt tgccctgggtg ctcatcaga gaggggctat catctgggag 960
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ccaggcaaaa catgctccac aaattcaact tgtatatattg gcagattaaa cttgacatta 1200
tcgtaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1260
aggggggngg ggnt 1274

```

<210> 1584

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1584

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gtcttatttt tagaataatt tagacaagca ggtagaaaaa acaatgcact gtgtggcata 60
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cattgttttt tctacctgct tgtcttattt ttagaataat ttagaaaaac aaaacaaagg 180
ctgtttttcc taattttggc atgaaccccc ccttgttcca aatgaagacg gcatcacgaa 240
gcagctccaa aaggaaaaagc ttgggcggtg ccagcgtgc ccgctgcca tcgacgtctg 300
tcctggggac gtggagggtg gcagcgtccc cgctgcacc agtgccgtcc tgctgatgtg 360
gtaggctagc aatatttttg ttaaaatcat gtttgtgact gtaaccattt gtatgaatta 420
ttttaagaa ataaaaatcc tggaagara aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 480
aaaaaaaaa aaaaaaaa

```

<210> 1585

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<400> 1585

988

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cccttggtgg caatgccaaag actgtgatgg tggccaacgt ggggcctgcc tcttacaacg 180
tagaagagac tctgaccact ctgcgatatg ccaaccgtgc caaaaacatt aagaacaaac 240
caaggggtcaa tgaggacccc aaggatgccc tycttcgaga attccaggaa gagattgctc 300
ggctcaaggc ccagctggaa aaacgggtcca ttggtaggag gaagaggcga gagaagcggg 360
gggaaggtgg tggcagtggg ggggggtggg aagaggagga ggaggaggga gaagagggtg 420
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agaagcgggc cattgtagag gatcacagct tggttgcaga ggagaagatg aggtctgtga 540
aggagaaaga gaaaaagatg gaggacctgc ggcgggagaa ggatgctgcc gagatgctgg 600
gcgccaagat caaggtacca taccctgacc ctcccttagg cccttgccct gtcactgctt 660
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<210> 1586

<211> 1808

<212> DNA

<213> Homo sapiens

<400> 1586

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tcaagatgga ggtggactac agcgccacgg tggatcagcg cctacccgag tgtgcgaagc 180
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ctcgactatg ttccgatatg gtatcgacat cccgtatctt agttgcagta gtgaagatgt 300
gctatgaggc taaagaatgg gatttactta atgaaaatat tatgcttttg tccaaaaggc 360
ggagtcatgt aaaacaagct gttgccaaaa tggttcaaca gtgctgtact tatgttgagg 420
aatcacaga ccttcctatc aaacttcgat taattgatac tctacgaatg gttaccgaag 480
gcaagattta tgttgaaatt gagcgtgcgc gactgactaa aacattagca actataaaag 540
aacaaaatgg tgatgtgaaa gaggcagcct ccattttaca ggagttagag gtggaaacct 600
acgggtcaat ggaaaagaaa gagcgagtgg aatttatatt ggagcaaag aggtctctgt 660
agctgtgaag gattacattc gaacacaaat catcagcaag aaaattaaca ccaaatTTTT 720
ccaggaagaa aatacagaga aattaaagt gaagtactat aatttaatga ttcagctgga 780
tcaacatgag ggatcctatt tgtctatttg taagcactac agagcaatat atgatactcc 840
ctgtatacag gcagaaagtg aaaaatggca gcaggctctg aagagtgttg tactctatgt 900
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aaaaaaaaa                                     1808

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989

<210> 1587
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (201)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<400> 1587
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 gtcaaggtga ggtcaaaggg ggaaagggca ctgggggtga tgtcaagggg agggcccaga 180
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 gaycttttag agtgacaaat tcaaggtgaa actgccagat nggcacgaac tgacttttcc 360
 caacaggctg gggtcaca 377

<210> 1588
 <211> 1486
 <212> DNA
 <213> Homo sapiens

<400> 1588
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 ttcccgtccg tgccgagccc actcgagccg cagccatgtc tggggacgag atgatttttg 180
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 gggataccca aacagaggaa acccagcctt cagaaacaaa agaagtggag ccagagccaa 300
 ctgaggacaa ggattttgaa gctgatgaag aggacactag gaaaaaagat gcttctgatg 360
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 aaaagaatcc agatatgggt gctggggaga aaaggaaatt tgtcatgaaa cctccacaag 780
 tcgtccgagt aggaaccaag aaaacttctt ttgtcaactt tacagatatc tgtaaaactat 840
 tacatcgta gcccaaacat ctcccttgcat ttttgttggc tgaattgggt acaagtgggt 900

990

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ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
atgtcttgag aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca 1020
caatcctgca gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat 1080
gttctgttgc cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc 1140
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tgctttttta aaatcgttca tagacttctg taaaatgcaa gataaattaa agttattata 1440
acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

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<210> 1589

<211> 998

<212> DNA

<213> Homo sapiens

<400> 1589

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cgttacacat gacaccagtg cctttgtttc attgggctgg gctctctgga aggtgtgctg 60
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gccaccagct tggacttcta gggactttcc tctcagccag gaaggattht gatattcatc 180
agaaatacct ccagaagatt caaggagctg tagagggtga gtaagcctgt gaaggaccag 240
catgggaatc ctatactctg agcccatctg ccaagcagcc tatcagaatg actttggaca 300
agtgtggcgg tgggtgaaaag aagacagcag ctatgccaac gttcaagatg gctttaatgg 360
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aagaagaaat gctaattgca acctcaaaaa ccagaaaagag agaacctgct tgcattatgc 480
tgtgaagaaa aaatttacct tcattgatta tctactaatt atcctcttaa tgctgttyct 540
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atacagaaaa agttaacgac tggattctat cttcatttht gactthtggg ctgtgggcca 900
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aagagcttht tatttatagc attgtthtact cagtcaag 998

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<210> 1590

<211> 2122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 1590

991

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catcagacat ggacaaggga actgcagggtc actctggaag atgggttacat tgaattgagc 180
accagcgata gcgrcggccc aattttttaa tctccacaga cgtatatgga tggtttactg 240
cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
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gggagcaatt ttgaggggtg tattagcaat gtttttgtcc agaggttatc actgagtcct 420
gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
ttaaacaac caccctttct aatgttgctt aaagggttcta ccaggtttta caagaccaag 540
acttttctga tcaaccagct gttgcaggac acaccagtgg cctccccaag gagygtgaa 600
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gcagtgtagt ccttaaaaaa aa 2122

```

<210> 1591

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

992

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1591

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tttctaatacc tatctgggga gtcctgggcc aggataatat atttgcagat aattctggac 60
cagagacttg gtgcgggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgccttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatctttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcattgtgt tgagtttgtc ggttgtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtg 480
ggggcaaaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529

```

<210> 1592

<211> 1216

<212> DNA

<213> Homo sapiens

<400> 1592

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ggtgctacct ggctctcctg tctctgcagc tctacagggtg aggcccagca gagggagtag 60
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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
tagagagccc aaagagctcc tgtaagaggg agaactctat ctgtgggtta taatcttgca 240
cgaggcacca gagtctccct gggctcttggt atgaactaca tttatccctt ttcctgcccc 300
aaccacaaac tctttccctc aaagagggcc tgcctggctc cctccaccca actgcaccca 360
tgagactcgg tccaagagtc cattccccag gtgggagcca actgtcaggg aggtctttcc 420
caccaaacat ctttcagctg ctgggaggtg accatagggc tctgctttta aagatatggc 480
tgcttcaaag gccagagtca caggaaggac ttcttcagg gagattagt gtgatggaga 540
ggagagttaa aatgacctca tgccttctt gtccacgggt ttgttgagtt ttcactcttc 600
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ttgtacatat gtttcacagt acaggatctg tacataaaaag tttctttcct aaaccattca 780
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ggatgtcaaa aaaaaa 1216

```

<210> 1593

<211> 689

<212> DNA

<213> Homo sapiens

<220>

993

<221> misc feature
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (649)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (670)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (680)
 <223> n equals a,t,g, or c

<400> 1593
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 gaacttat tttt cctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180
 ttttcaccag ccttgggtcc ttcattgtaa tttgctctat tcttgggaca caagcatgga 240
 tcaccagtac aattgctgkt agagactctg cttcaaatgg gagcattttc atcacttacg 300
 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360
 agtttgagct tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420
 atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480
 aacagcatca gcaaccctta ccagacattc ctggggcccg acgggggtgt acacctggaa 540
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660
 agttccgggn cctgttttgg taaaacggt 689

<210> 1594
 <211> 946
 <212> DNA
 <213> Homo sapiens

<400> 1594
 gcccacgcgt ccgctccatt tctaaatacc agacttcaaaa agataagggtt caaaagtgtt 60
 ataagaagat attccttttt ttgtcctaga gaacttat tttt cctgtgaaa atgcctacca 120

994

```
caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
tttgctctat tcttgggaca caagcatgga tcaccagtac aattgctgtt agagactctg 240
cttcaaattg gagcattttc atcacttacg gactttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
tgatactgtt tgtggcgaac acgcagtcca accaactctc cgaagagttg ttccaaatgc 420
tttaccgggc aaccaccagt aaaggaacga cccacagtta cggatactcg ttctgggtca 480
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ccagatacca gcggaagcag gagcagagaa agccaatgga atatgctcca agggacggaa 600
ttttattctg aattctcttt catctcattt tggcggttgca tctattgtac atcagccctg 660
agtagtaact ggtagcttct tctggacaat tcagcatggt aacgtgactg tcatctgtga 720
cagcatttgt gtttcatgac actgtgttct tcattgatgc tgtactcctg aaaatttttc 780
ccacaagggt ggggaaatga atgggaaatg tcgctggtct gtgtggtatt caaagcagta 840
gtatcatgat gagcgtaacg acccttctga cctggtctca cgatctgaaa taataaaagg 900
ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946
```

<210> 1595

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1595

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tctgcttaat ctgtggagac cgccagacct tgaggaaccg acaaaagtag ataagctaca 120
agaaccattg ctggaagcac taaaaattta tatcagaaaa agacgaccca gcaagcctca 180
catgtttcca aagatcttaa tgaaaatcac agatctccgt agcatcagtg ctaaagggtg 240
agagcgtgta attaccttga aaatggaaat tcctggatca atgccacctc tcattcaaga 300
aatgctggag aattctgaag gacatgaacc cttgacccca agttcaagtg ggaacacagc 360
agagcacagt cctagcatct caccagctc agtggaaaac agtggggtca gtcagtcacc 420
actcgtgcaa taagacattt tctagctact tcaaacattc cccagtacct tcagttccag 480
gatttaaaat gcaagaaaaa acattttttac tgetgcttag tttttggact gaaaagatat 540
taaaactcaa gaaggaccaa gaagttttca tatgtatcaa tatatatact cctcactgtg 600
taacttacct agaaatacaa actttttcca ttttaaaaaa tcagccattt catgcaacca 660
gaaactagtt aaaagcttct attttctctt ttgaacactc aagattgcat ggcaaagacc 720
cagtcmaaat grtttaccct tggttaagtt tctgaagact ttgtacatac agaagtatgg 780
ctctgttctt tctatactgt atgtttggtg ctttctcttt gtcttgcata ctcaaaataa 840
ccatgacacc aaggttatga aatagactac tgtag 875
```

<210> 1596

<211> 1257

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1254)

<223> n equals a,t,g, or c

995

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 1596

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ccgaggcgcc gcgcccgcgc ccccgagctc cccaagcctt cgagagcggc gcacactccc 120
ggtctccact cgctcttcca acacccgctc gttttggcgg cagctcgtgt cccagagacc 180
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ttggacctca atgacacctc ctctgggaag cgtgaaccat tttctgggga ccacagtgt 360
gatggatttg aggttacctc aagaagttag atgtcttcag ggagttagat tccccctgtg 420
agtgaatgc cttctagtag tgaaccgtcc tccggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc cccccaaaa caagacggaa agtgaaaata cttcagataa acccaaaaga 600
aagaaaaagg gaggcaaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaatct ctgcattcac ggagaatgca aatatataga gcacctggaa 720
gcagtaacat gcaaatgtca gcaagaatat ttcggtgaac ggtgtgggga aaagtccatg 780
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ccctttttgt tatgatggtt ttaaaccttc aattgtcact ttttatgcta tttctgtata 1140
taaaggtgca cgaaggtaaa aagtattttt tcaagttgta aataatttat ttaatatatta 1200
atggaagtgt atttatttta cagctcatta aactttttta accaaamara ananana 1257

```

<210> 1597

<211> 941

<212> DNA

<213> Homo sapiens

<400> 1597

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gcaccacagc gctccagcct ggtcgacaga gtgagactcc atctcaagaa aataaaaaata 60
aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagttca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaaac 240
tggcccaact tcatttccat acttcagggg acagcaaatg gaggatttac ttatctagga 300
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cagttaacat ctcagagcta gaacattcca cattccccag cagcgtgtgg gggctgacta 480
aagttttaca ttccaactaa aaatcacccct gcttctggct tatctgaatc ccttaccac 540
cccacccac caccctactc ctattttattc agcaccacac taccaggga atactactagc 600
aaattgtgca atggaataaa atccacactt tagattcttg caactgtatc atatgtaata 660
gtatcacttt ttctacattt tggcacaata aataggagta ggggtggggg gtggggggg 720
taagggatcc agataagcca gaagcagggg gatcttwagt tggaattgta aacttttagtc 780
agccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaaa 840
gagaagtcaa acaaagccga tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttggtc ttttattaac ttgggtcgac c 941

```

996

<210> 1598

<211> 505

<212> DNA

<213> Homo sapiens

<400> 1598

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gggggtcgctt ttggagcaga gaggaggcaa tggccaccat ggagaacaag gtgatctgcg 60
ccctggtcct ggtgtccatg ctggccctcg gcacctggc cgaggcccag acagagacgt 120
gtacagtggc cccccgtgaa agacagaatt gtggttttcc tgggtgtcacg ccctcccagt 180
gtgcaaataa gggtgtgtgt ttcgacgaca ccgttcgtgg ggtccccctgg tgcctctatc 240
ctaataccat cgacgtccct ccagaagagg agtgtgaatt ttagacactt ctgcagggat 300
ctgcctgcat cctgacgcgg tgccgtcccc agcacggtga ttagtcccag agctcggtcg 360
ccacctccac cggacacctc agacacgctt ctgcagctgt gcctcggtc acaacacaga 420
ttgactgtct tgactttgac tactcaaaat tggcctaaaa attaaaagag atcgatatta 480
aaaaaaaaar aaaagggcgg ccgct 505

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<210> 1599

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 1599

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gaaagtncgg gtccggaatt cccgggtcga cccacgcgtc cggattagtc ccagagctcg 60
gctgccacct ycaccggaca cctcagacac gcttctgcag ctgtgcctcg gctcacaaca 120
cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180
attaaaaaaaa aaaaaaaagg aaaaaaaagg gcggccgtct aagaggatcc aagcttacgt 240
aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

```

<210> 1600

<211> 1529

<212> DNA

<213> Homo sapiens

<400> 1600

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agcaggaaga ccaatgaaag ttggatcatgt tactgaacgt actgatgctt cgagtgcctag 60
ttcatttttg gacagtgatg aactggaaag gactggaatt gatattgggaa caactggctg 120
tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180
gcaagctcta cagatgagtg gctctttggc atttgggtgct gtggcagaat tctcttttgt 240
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ctctgttcag ccacttgcaa cacaatgttt ccaactctct aacatgttta accctcaaac 360
agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420
acatggagga gttattcata tttatgttga caaaaattca gctcagggca atgtgtatgt 480
gaagtgtcca tcaattgctg cagctattgc tgctgtcaat gcattgcatg gcagggtggtt 540
tgctggtaaa atgataaacag cagcatatgt acctcttcca acttaccaca acctgtttcc 600
tgattctatg acagcaaacac agctactggt tccaagtaga cgatgaagga agatatagtc 660

```

997

```

ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
ataaaaaata agaggcaagg atctactgtc atttgtatgc aatttcctgt taccttgaaa 780
aaataaaaaat gttaacagga atgcagtgtg ctcatctcc ctaaatagta aatcccactg 840
tatacaaaac tgttctcttg ttctgccttt taaaatgttc atgtagaaaa ttaatgaact 900
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acaagacagc taaagggctg tttggtttagc atctcatctt gcattctgat caattggcaa 1140
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agtctcttaa aaaggcmaaa aaaaaaaaaa 1529

```

<210> 1601

<211> 3096

<212> DNA

<213> Homo sapiens

<400> 1601

```

gagagagctc agatggccct ttttaaggggg ctccaagaac caacatcact gctcttttag 60
ataaacctct gccctccact ccttgcttga gtgggttaaa ggaactaaca gttgtccctt 120
taggaggaca aaatgggggtc aagaggacac agaagagttg tatagacca gattggttcc 180
aaatagttaa tggatgtgtg cacattttct gttcagggat taagaccaga atatcagtgg 240
atgtgttttc cccaccaagt ggcctcttag actagtcat aacttatgat tagctctaaa 300
gatttcaaat agtggcagac agtgtcttct gaatgtaagt tttgagaaat acgagtctgt 360
cagagcggcc ataagccata aagagtcaat ctcttaatta tatttttcat catgtaaaca 420
agtttcccat ttccctttct tagattgcac cagtgaagga gatgttttgc aaagattcag 480
agaactaatt ttctactgga taagacctga gtaacccaga cccccaccg tggttctttt 540
cacagccctc gactttgcac ttaaaaaggg atattgtaaa tgaaaggctg cagtgccagt 600
tttaagaaaag aatttctgtg aagtgtgagg actctggagt ctagctcaca taaagagagt 660
gttatataaa aatccgacag ctgaactagg ttgctctttt ttggcaggga gtggggatga 720
gatttgacac caatatgggc aaaattagat aaccttttgg ttaatatata tgattttgat 780
ttggaggcct aatttgtaga ttgtgaaagc agcttttagt ttaacttatt cacagacccc 840
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gtgcccgtaa agttgggatg ttgaattggc tcttctttgt tctggcagtg agtcaagtgt 960
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agtgttgccct gagggccctag ggaatattgg ggaatagaag ggattgagga aacattaata 1620
atagttattc aaaagaccca aatgcttata cttctctctc ccttcttctc tctctgacac 1680
acacacacac acacacacac acacacacac acgtgcacat tcctccctta catgctcatt 1740

```

998

```

tgtgccttaa atgtgcctta taggtaaatc caggatgact gaggaatccc tcgtcactgg 1800
gagatTTTTgt atatattctt ttattattag attgagttgg gtgtggggaa aaatTTTTTT 1860
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caaaggaacc tggctcattt gaagattaat gttccatgcc tttgtgggtc aasggtcagc 2100
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<210> 1602

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1602

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aagctccctt cttcctgcgt tgtccctcca gctscctctg ctgaccaggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtccatt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

<210> 1603

<211> 1035

<212> DNA

<213> Homo sapiens

<400> 1603

```

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tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctagggagat 180
ggattgtata taccagtttg tcacataatg taaggaagag aagggaatgt tgacctttca 240
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caggggtact tcggctcctt gtggaagcat ctagctcagg tgtgtcggta ctgagcctgt 420
gtgagaaagg tgatgccatg attatggaag aaacagggaa aatcttcaag aaagaaaagg 480

```

999

```

aatgaagaa aggtaaaaaa aaaaaaatcc ctcactaatt ttccgtttga cccttatttg 540
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gtatttggaa atttggwatg gcaagtggga tacaagcagt ttcctaccta atccaaactg 660
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gatgtagctc agggg 1035

```

<210> 1604

<211> 2231

<212> DNA

<213> Homo sapiens

<400> 1604

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cccacgcgtc cggcacagac agcacttcca tatgccatga atagcgagtt ctcaagtgtc 60
ttagctgcac agctgaagca tcactctgag aataagggcc tagacaaaagt gatggagact 120
caagcccaag tggatgaact gaaaggaatc atggtcagaa acatagatct ggtagctcag 180
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acagatggta tctgccagtc tcttcaaccc tcttctcact ttttaaaatc ttgttccatg 540
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```

1000

```

cttattttccc tttcttatac acacctgaat aaaattgatg tgcattgtttt agggatcaat 2100
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tttaaattgac gcacaaactg aagatgttaa taaaatttaa gagtaataca atgaaaaaaaa 2220
aaaaaaaaa a 2231

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<210> 1605

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 1605

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gaatttttggc atcaaggaca aaccacacctt catcaaaggg attggagctg gagggagcat 60
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aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gctcagacac 180
catcaacatc tggtttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
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aatgcacaaa aagaaaagtga cgcatgtggc cctgaaccca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaaa cagtgaataa ttgggacctg cgccagggtta gagggaaaagc 420
cagcttcctc tactcgctgc cgcacaggca tcctgtcaac gcagcttggt tcagtccccga 480
tggagccccg ctcctgacca cggaccagaa gagcgagatc cgagtttact ctgcttcccc 540
gtgggactgc cccctgggcc tgatccccga cctcaccgt cacttccagn acctnacacc 600
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taatttcaaa agttgtacc 679

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<210> 1606

<211> 1677

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1673)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1001

<222> (1676)

<223> n equals a,t,g, or c

<400> 1606

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gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
ataagaataa gtttcctgga gacagcgtgg tcaactggacg aggccgaatc aatggaagat 240
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acagagcttt tgaaaatgat gttgatgcct tgtgtaactc ccgggatttc ttcaactacc 720
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cattgtaaac aaatcaaagg aaaagaaacc aagaactgaa ttactgtctg ccattcaca 1560
tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaagat caaaaaaaaa aaaaaaanaa aanaana 1677
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<210> 1607

<211> 1209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1607

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accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
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1002

```

ggctgtgggc catagcctct gttcgttttc actgcaggac caggcacgaa agttaaaca 180
aaatgaagat tttttctgaa tctcataaaa cagtgtttgt tgtggatcac tgcccttata 240
tggcagaatc ttgcaggcag catgtcgagt ttgatatgct ggtgaagaat agaaccacaag 300
gaatcattcc tttggccccc atatctaaat cattgtggac tkgctcagta gaatcttcca 360
kggaaatattg tagaataatg tatgatatat ttcccttcaa aaagctggtg aattttattg 420
tgagtgactc tggagcacat gttttaaatt cttggactca agaagaccaa aatttacagg 480
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gggctttat 1209

```

<210> 1608

<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 1608

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tcagccctc cctgcagatt gcatgtcccc tggaggagg tcctgtcac agcctcactt 180
ctaaccttct ggaaccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggagg tcttctactc gccacaacc tgcccagaa tcgtattggt 300
tacagctggt acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
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ataaagtca atcttgtgaa tgaagaarca accggacagt tccatgtata cccggagctg 540
cccaagccct ccattctyag caacaactcc aacccgtgg aggacaagga tgctgtggcc 600
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cgagtgacc cagtcacct gaatgtctc tatggcccag atggcccac catttcccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

```

1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
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gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
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<210> 1609

<211> 2013

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 1609

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agatgctgca agcgagggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttatttagct ttacatatcc ctttgaccaa atagtttgtg gggttaacaa 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

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1004

```

ttattttagga aacaccatta taaaaaact tatagtaa at ggggacattc actataatga 360
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cattgtttct tgagcatcct gccctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013

```

<210> 1610

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1610

```

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tgaaggagct aggagtggga atagctttgc gaaaaatggg cgcaatggcc aagccctgag 180
atttccttca tactgggcca ggaatttgac gaagtcactg cagatgacag gaaagtcaag 240
agcaccataa ccttagatgg ggggtgtcctg gtacatgtgc agaaatggga tggaaaatca 300
accaccataa agagaaaacg agaggatgat aaactgggtgg tggaatgcgt catgaaaggc 360
gtcacttcca cgagagttta tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcattga actctacaac attctgtggg atatattggt caaaaagata ttgttgtttt 480
ccatgattta gcaagcaact aattttctcc caagctgatt ttattcaata tggttacgtt 540
ggttaaataa acttttttta gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaa 604

```

<210> 1611

<211> 979

<212> DNA

1005

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<400> 1611

```

caggggaacca ttgctggaca aggcacagga gccacctcca tttctgagct ctgcaaggga 60
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cagggatcta caccctgcct tggctgctac agctttttca ctccactgcc ctaggggagt 180
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cagcaaactt gttgctgctg ttgtcaacct gaaggcctct caaatgccag cttcaagcag 480
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atccttgggg acctgagaaa gcgtacttca ccttgggggtg aaggctgggt ggggccagag 720
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cactgcttct ttctccctgg gaagaatgcg tggactctgc ctgggtgatag actgaagcca 900
gaacagtgcc acaccctcgc cttaattcct tgctaggtgt tctcagattt atgagacttc 960
ttagtcaaat atgaaggga                                     979

```

<210> 1612

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1612

```

gaacatagtt ctttccaaca tgtaaggctt gattcatgtg aaataaatcc tttgcaacat 60
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ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct tttcttgact ttttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gttggtaaat ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttggtc 420
taaagaaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa                                     504

```

<210> 1613

<211> 1650

<212> DNA

<213> Homo sapiens

1006

<400> 1613

```

gagtacggca gcccgtcggc catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
gtggtggtgg cgccctacaa cggcggggccg ccgcgcacgt gcccgaagat caagcaggag 120
gcggtctctt cgtgcaccca cttgggcgct ggacccccctc tcagcaatgg ccaccggccg 180
gctgcacacg acttccccctt ggggcggcag ctccccagca ggactacccc gaccctgggt 240
cttgaggaag tgctgagcag cagggactgt caccctgccc tgccgcttcc tcccggcttc 300
catccccacc cggggcccaa ttacccatcc ttcttgcctg atcagatgca gccgcaagtc 360
ccgccgtcc attaccaaga gctcatgcca cccggttctt gcatgccaga ggagcccaag 420
ccaaagaggg gaagacgatc gtggccccgg aaaaggaccg ccaccacac ttgtgattac 480
gcgggctgcg gcaaaacctt cacaagagt tcccatctca aggcacacct gcgaacccac 540
acaggtgaga aaccttacca ctgtgactgg gacggctgtg gatggaaatt cgcccgtc 600
gatgaactga ccaggcacta ccgtaaacac acggggcacc gcccgttcca gtgccaaaaa 660
tgcgaccgag cattttccag gtcggaccac ctgccttac acatgaagag gcatttttaa 720
atcccgagca gtggatatga cccacactgc cagaagagaa ttcagtattt tttacttttc 780
acactgtctt cccgatgagg gaaggagccc agccagaaa gactacaatc atggtcaagt 840
tcccaactga gtcattctgt gagggtgataa tcaggaaaaa tgaggaatcc aaaagacaaa 900
aatcaaagaa cagatggggc ctgtgactgg atcttctatc attccaattc taaatccgac 960
ttgaatattc ctggacttac aaaatgccaa gggggtgact ggaagttgtg gatattcagg 1020
tataaattat atccgtgagt tgggggaggg aagaccagaa ttcccttgaa ttgtgtattg 1080
atgcaatata agcataaaa gacacattgt attctcttta ccttctaaaa gccattatta 1140
tgatgttaga agaagaggaa gaaattcagg tacagaaaac atgtttaaat agcctaaatg 1200
atggtgcttg gtgagtcttg gttctaaagg taccaaaaaa ggaagccaaa gttttcaaac 1260
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aaacgtctat tttgtatatt tgtaaaactac aaagtaaaat gaacattttg tggagtttgt 1560
attttgcata ctcaagggtg gaattaagtt ttaataaaac ctataatatt ttatctgaaa 1620
aaaaaaaaa aaagggcggc cgctcgcgac                                     1650

```

<210> 1614

<211> 987

<212> DNA

<213> Homo sapiens

<400> 1614

```

gctcgtgccg aattcggcac gagtgcggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccgtt ctccagttta ttccctcaa tgccaggact gcgtgtgcac 120
ggacaagggt gacaacaaca ccctgctcaa cgtcatcgcc tgcaaacacg tgccctgcaa 180
cacctcctgc agccctggct tcgaactcat ggaggcccc ggggagtgct gtaagaagtg 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagcccg 300
ggacttcaag agcgaccgga agaacaactg cacattcttc agctgcgtga agatccacaa 360
ccagctcatc tcgtccgtct ccaacatcac ctgccccaac tttgatgcca gcatttgcac 420
ccggggctcc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctgcgaatga 480
gaccaggggt cctgctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac 540
caagaccgtc ctcatgaatc attgctccgg gtccctgcgg acatttgtca tgtactcggc 600
caaggccag gccctggacc acagctgctc ctgctgcaaa gaggagaaaa ccagccagcg 660
tgagggtggc ctgagctgcc ccaatggcgg ctgctgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccc 780
gcgtccccc aggcattctg ggagcgggtg agcgggggtg gcacagcccc cttactgcc 840

```

1007

```

ctcgacagct ttacctcccc cggacctctt gagcctccta agctcgggtt cctctcttca 900
gatattttatt gtctgagttt ttgttcagtc cttgcttttc aataataaac tcaggggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaa 987

```

<210> 1615

<211> 1487

<212> DNA

<213> Homo sapiens

<400> 1615

```

gcttgtcatg agaagggtgt aaatatccaa aaagaccccc gtgaatctct cggcatgacc 60
gtcgcagggg gagcatcaca tagaraatgg gatttgccta tctatgtcat cagtgttgag 120
cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatgggggtcg aactgacaga ggtcagccgg agtgaggcag tggcattatt gaaaagaaca 240
tcatcctcga tagtactcaa agcttttgaa gtcaaagagt atgagcccca ggaagactgc 300
agcagcccag cagccctgga ctccaaccac aacatggccc caccagtgga ctggtcccca 360
tcctgggtca tgtggctgga attaccacgg tgcttgata actgtaaaga tattgtatta 420
cgaagaaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac cttttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtgggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
catgcttgct tggcaagact gctgaaagaa cttaaaggaa gaattactct aactattgtt 660
tcttggcctg gcactttttt atagaatcaa tgatgggtca gagggaaaaca gaaaaatcac 720
aaataggcta agaagttgaa acactatatt tatcttgtca gtttttataat ttaaagaaag 780
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gaaaaatatga ttccaaaaaa attaaaacta ctagtttttt ttcagtggtg aggattttctc 900
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agtctgcaa gggtagatta tggccatttt taatttacag ctaaaatatt ttttaaaatg 1080
cattgctgag aaacgttgct ttcataaaac aagaataaat atttttcaga agttatagtt 1140
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agaaatggct aaagctcttt ttttccacaa tcgttagtaa ctgtataaaa actcatgctg 1380
ctccaccagt gggccttgga aaatgcatca agaaggccaa accagcttga ccctggctya 1440
cagacatggt catgaggcga tttaaatttg tgctctgccg ctctgcc 1487

```

<210> 1616

<211> 713

<212> DNA

<213> Homo sapiens

<400> 1616

```

acaccaata atcagtcatt tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
ttggttggtt tgtttttttg ctttaagttg catgatcttt ctgcaggaaa tagtactca 120
tcccactcca cataaggggt ttagtaagag aagtctgtct gtctgatgat ggataggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
cataacttta gtyttaatgt acacattgca ttttgataaa attaatattg ttgtttcctt 300
tgaggttgat cgtttgtgtg ttgttttgct gcacttttta ctttttttgcg tgtggagctg 360
tattcccag accaacgaag cgttgggata cttcattaaa tgtagcgact gtcaacagcg 420
tgcaggtttt ctgtttctgt gttgtggggt caaccgtaca atgggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccataatttt tgtaaattat ttatgttttt ctaaacaat 540

```

1008

```

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatttat 600
gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660
aaagattaac aacaggaaat aaattgtaaa aaaggttttc tataaaaaaa aaa 713

```

<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

```

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ggtcggcctg gaagcagcca agacggaaaa gcaagtgtgt gagcccgaaa acccatgcaa 180
ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggyc acttcagcga 240
ccccatgtac aagtgcgagt gccagacagg ctacgcgggc gacgggctca tctgcgggga 300
ggactcggac ctggacggct ggcccaacct caatctggtc tgcgccacca acgccacct 360
ccactgcac aaggataact gccccatct gccaaattct gggcaggaag actttgacaa 420
ggacgggatt ggcatgcct gtgatgatga cgatgacaat gacgggtgtga ccgatgagaa 480
ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
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tggagagggg gacgcctgct ccgtggacat tgatggggac gatgtcttca atgaacgaga 660
caattgtccc tacgtctaca aactgacca gagggacacg gatggtgacg gtgtggggga 720
tactgtgac aactgcccc tggtgcacaa ccctgaccag accgacgtgg acaatgacct 780
tgttggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
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catcagtgag acagacttca ggaacttcca gatggtcccc ttggatccca aagggaccac 1140
ccaaattgat ccaactggg tcattcgcca tcaaggcaag gagctgggtc agacagccaa 1200
ctcggacccc ggcacgcgt taggttttga cgagtttggg tctgtggact tcagtggcac 1260

```

1009

```

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
aagcagccgc ttctatgtgg tgatgtggaa gcaggtgacg cagacctact gggaggacca 1380
gcccacgcgg gcctatggct actccggcgt gtccctcaag gtggtgaact ccaccacggg 1440
gacgggcgag cacctgagga acgcgctgtg gcacacgggg aacacgccgg ggcaggtgcg 1500
aaccttatgg cagacccca ggaacattgg ctggaaggac tacacggcct ataggtggca 1560
cctgactcac aggcccaaga ctggctacat cagagtctta gtgcatgaag gaaaacaggt 1620
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tgtcttctct caagaaatgg tctatttctc agacctcaag tacgaatgca gagatattta 1740
aacaagatth gctgcatttc cggcaatgcc ctgtgcatgc catggtccct agacacctca 1800
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tgctgttgga gctgtattcc cgagaccaac gaagcgtthg gatactthcat taaatgtagc 3480
gactgtcaac agcaaaaaaa ganctthnaa aataataagg aa 3522

```

<210> 1618

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1618

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ggccaacat cagtatttht cccccacaac atgtgtaaca cthtthttht tgtggatath 60
tgatacatta agattthtth ttataagtat tcattthtgaa tgtgcatata gthattthgac 120
ccctthcaaa tactthttagc caaacattth ctagaacatc ccaagatath ctgacactgt 180
cctgthtagct tcatattata cthtthttagt taggtthtth tagaagccct atataattth 240
gaatatgccc actgaatath thtaatagaa agtaacataa agctagthtth caatgthtagg 300
tattthtcata tgtththtthc agcccgthtth aaattthgcaa tgtththttht atgtthttht 360

```


1010

```

tacttggaaa tgcgtacagc ttggactatt tttttctaaa ttttttagcat tagtccattt 420
ctgctgctaa caattgaatc cagaaatcta ctttctccat cttccactgt tagtgccagt 480
gagcaatact gttgtgcaac aaaaatgtca ctttatctca gtgtgaatga gtagtctaaa 540
ttccctttct accattgatt taaatatata tattggtaag agagactgcc catgtgttta 600
gaatagaatt ttttaaataa aatgatcaac aggtggaatt tgaaatata tcttctacaa 660
aagagatttc tttccctttt atattttgat gattgttttc ttaagattaa gatatgttct 720
tgctctttta taagattatt taaattatgt ttccctctga ttttttttca ccattgtatt 780
tactaagtta ttggatttac atgaaatctg gcacttttagg gtgttctttt tctcacagag 840
tatatttaat aaaaatgctg tgtatatara aaaaaaaaaa aaaaaaaaaa agggcgggccg 900
ct 902

```

<210> 1619

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1108)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<400> 1619

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tcgacccacg cgtccgagcc gagactgcga aggagaacgc agcaagccca ggcgggcggtg 60
gaaaggctgg aggacacacc taaacatgtg gaatcccaat gccgggcagc cagggccaaa 120
tccatatccc cccaatattg ggtgccctgg aggttccaat cctgcccacc caccacctat 180
taatccaccc tttccccccag gccctgtcc tctctcccca ggagctcccc atggcaatcc 240
agctttcccc ccagggtggc cccctcctcc tgtgccacag ccagggtatc caggatgcca 300
accgttgggt ccctaccctc ctccataccc accgcctgcc cctggaaacc ctctgtgaa 360
tcccttgggt cctggcatgg ttggaccagc agtgatagta gacaagaaga tgcagaagaa 420
aatgaagaaa gctcataaaa agatgcacaa gcaccaaag caccacaagt accacaagca 480
tggaagcat tctctctctt cctctctctc ttccagcagt gattctgact gaatacaggc 540
cctggaccct tccctcaagt ctccaccagt ctgctctccc atcaagcttc agatgccatg 600
ttgtactggg ggaatgtagc ccttgtgtct cccacccccct acctccacct gagcctcacc 660
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cacttataat acttgtgatt ggggaggttt gtggaaattc aattatgatg aaaaacctat 900
ctttttttgt atgttggcat acttggggaa ttttagtggc aatacattcc ccagcaggcc 960
ttttgttggg tgcactaact gcaaggttgc tgggaagtag agtccatttg gttgatgagc 1020
tttgactgcg gttttggaac cttacctctc ctcttaggcc caatatgctg tcttgggtcc 1080
tattcaaata aagttatttc tcttggttnc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140

```

1011

accnnggggg gggcccg

1158

<210> 1620

<211> 2260

<212> DNA

<213> Homo sapiens

<400> 1620

```

acagcaaatg caaagaccca gaggcattgca agggaaagga gataaagtag gcctgggctg 60
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<210> 1621

<211> 1077

<212> DNA

<213> Homo sapiens

1012

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<211> 2377
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

1013

<220>
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 <222> (2376)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2377)
 <223> n equals a,t,g, or c

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 aaaaaaaaaa aaaaanaaaaa aaaaaaaaaa aaaaann 2377

1014

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 <211> 1258
 <212> DNA
 <213> Homo sapiens

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 gaaaacaaga gcagaagcac cttcagccac agccttataa aagggaaggt aaatggcata 180
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<210> 1624
 <211> 2469
 <212> DNA
 <213> Homo sapiens

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1015

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<210> 1625

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<400> 1625

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1016

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<210> 1626

<211> 1355

<212> DNA

<213> Homo sapiens

<400> 1626

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<210> 1627

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

1017

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1178)
<223> n equals a,t,g, or c

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<210> 1628
<211> 1389
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
<223> n equals a,t,g, or c

1018

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 1628

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<210> 1629

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1629

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aaaaaaaaaa aaaaaaaaaa a                                     621

```

<210> 1630

<211> 1158

1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1630

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<210> 1631

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1631

1020

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679

<210> 1632

<211> 4601

<212> DNA

<213> Homo sapiens

<400> 1632

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1021

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<210> 1633

<211> 376

<212> DNA

<213> Homo sapiens

1022

<400> 1633

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<210> 1634

<211> 3643

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3628)

<223> n equals a,t,g, or c

<400> 1634

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1023

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<210> 1635

<211> 4051

<212> DNA

<213> Homo sapiens

1024

<220>
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 <222> (24)
 <223> n equals a,t,g, or c

<220>
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 <222> (32)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2278)
 <223> n equals a,t,g, or c

<400> 1635
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1025

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<210> 1636

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1210)

<223> n equals a,t,g, or c

<400> 1636

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ttgaaaaacg ggtcgactgg cccgtccgcc cggagccagc gggtctccaa gcaccagca 60

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1026

```

tcttgetaga cgcgcgcgc accgacggag gggacatggg cagagcaatg gtggccaggc 120
tcgggctggg gctgctgctg ctggcactgc tctacccac gcagatttat tccagtga aa 180
caacaactgg aacttcaagt aactcctccc agagtacttc caactctggg ttggcccca aa 240
atccaactaa tgccaccacc aaggyggctg gtggtgccct gcagtcaaca gccagtctct 300
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```

<210> 1637

<211> 2124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 1637

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acaagctggg ctgagcagcg cttccagagc cagaactgag ccagtgaga gcgcacctg 180
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gcccagcggc tgacactggc caagggtggc agggagcagg tgatggacac cttagtctcg 360
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atcccgcctc tgcttcgaga actcaatcga tttgatggct ctgggcccct cagcaccctg 480
agcagcccc agctggggcg cagcacctac atggagacgt atgtgtactt ctatcgggtc 540
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actgttctgt tgctgctatc actcctgtcc cctcagctgt gccctgctgc ctgagcgtcc 1140

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1027

```

ccctaccccc ccagggcctg ctgccttttg ggacttaaac cccagcctcc cccgtccatc 1200
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agcagatatg ccaatggggc atgtttattg tggattggta agaataacca ggaaaccatt 1560
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aatcacattt atggtttgga accatcacc ccaaggtaaaa aaaaaataaa aggtattccc 2040
aggatatgtt ggcaaaaataa aataaaggta attaaaaacc taaaaaaaaa aaaaaaaaaa 2100
aaaaaaaaaa agtcgtatcg atgt 2124

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<210> 1638

<211> 1435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1426)

<223> n equals a,t,g, or c

<400> 1638

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aactcctgac ctccaggtgat ctgtgtgccc cagcctccca aagcgtctggg attacagggtg 180
tgagccactg agcccagcca tttaggaagt attataaagg cccttaaagt ttgtaaggaa 240
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tttggcttac tggaagattt aattaaaagg tagaggagaa gtaaatttgc tgtaataatt 360
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gagacaggct ttgggagaaa taccagaaaag ggatttttca aagatggcat tgtttaatct 480
ccgtgtggcc ctccgttgtg caatcacaga tgagccagaa gagggccagc cccctacttg 540
tttgggctcc gaaactctta ccaaacatca atttttattc ttgggataga aaaatagtat 600
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cttaaagggt ttccatggag aagagtggta agagctgtag ttagcaaaat tggcatcctc 840
tttaggggtg caattctgtg ctgctttgca aattgttgaa acttttgatt ttctgtttgg 900
caatgctagt cagtgttcac ttcttacaga ttagccaaga atttttatct aaatgcagaa 960
acttattaat gaaatccatt taaactaaca caacattttg ggaggccctg ctggtaaaat 1020

```

1028

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tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080
gattacattg atgaattccg ttgtattgta tgtgtgaata taaatatctg aattctcccg 1140
ggggacttgg ttttcgtcca aggatgttgg cagtggacac ttagtttacc tcaggaattg 1200
caatcatgta agactatatatt cggaaaaaat gctggagtat ataattttgg atactgatat 1260
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gcattattct gtaattttgtt tgtactgctg caacttttta tactttcaat gtatcattta 1380
ataaaaaaaaa taagcaagtc aaaaaaaaaa aaaaaaaang gggggncctg tttaa 1435

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<210> 1639

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1613)

<223> n equals a,t,g, or c

<400> 1639

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tctgaatttg tcatgcggaa aattggagac ttggcttgtg ctaacattca gcatctgagt 120
agtcgctcct tagtgaatat tgtaaaaatg ttccgtttca ctcacgtgga tcacatcaat 180
ttcatgaagc agattggaga gatagctcct cagcgaattc cttccctggg agttcaagggt 240
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gcagtggctg cgtcttttgc tcctagagtg gcacactgtc gaagtaaaga tgttgccaag 360
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tagagttatc ctactgggaa tggctccac tactgaaacg aactcgctta gaaaagttgg 1320

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1029

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gtaagtttgg cgataaaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaaattac tgcaaatgta 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaaa 1620
aaaaaaaaaa a 1631

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<210> 1640

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1640

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gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacacttttag agcattgggt gtttactctc ttgatgggtat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gccaggaaa agagcaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaattttaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcaccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcataataat gttcatcttt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttctgtt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

```

<210> 1641

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1641

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tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagaccta aagccagggc aacactgggt cttgcctaag 240
gccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaaccca gccagaccca tgtccttccc ttcaaggcaa taagcttttc 360
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gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
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acaagcactc ccttagccac cctggctggt gtctcactaa tttgtgtgca cccaagtcc 660
actggctcca agggcagcgc agcaccat 688

```

<210> 1642

<211> 1916

<212> DNA

1030

<213> Homo sapiens

<400> 1642

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gcccgagccg agcacgatgc cccctaaaaa gggaggatgat ggaattaaac ccccccaat 180
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atgaaatgca ggttcaacta atgtgaacag ctttgctttt cacgtgatta agaccctact 1560
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gcccggtacc aggtaagtgt acccaattcg ccctatagtg agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916
```

<210> 1643

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1343)

<223> n equals a,t,g, or c

1031

<400> 1643

```

ggcagagcac atgcgcaccg cagcgggtcg cgcgccctaa ggagtggcac tttttaaaag 60
tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgcccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaatacctg ctgttcggat ttaacttcat 240
cttctggctt gccgggattg ctgtcccttg cattggacta tggctccgat tcgactctca 300
gaccaagagc atcttcgagc aagaaaactaa taataataat tccagcttct acacaggagt 360
ctatatcttg atcggagccg gcgccctcat gatgctgggt ggcttccttg gctgctgcgg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tgggtgatatt 480
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agtccaggag ttttacaagg acacctacaa caagctgaaa accaaggatg agccccagcg 600
ggaaacgctg aaagccatcc actatgcgtt gaactgctgt ggtttggctg ggggcgtgga 660
acagtttatc tcagacatct gcccgaagaa ggacgtactc gaaaccttca ccgtgaagtc 720
ctgtcctgat gccatcaaa aggtcttcga caataaattc cacatcatcg gcgcagtggg 780
catcggcatt gccgtggtca tgatatcttg catgatcttc agtatgatct tgtgctgtgc 840
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tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
gcggccgccc cagaggancc ccng 1344

```

<210> 1644

<211> 1109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1075)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1644

```

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gaagcaaatt catgatgtgt gtgctggaga tctggcactc atggccagtg ctttccagta 120
tcttgaactc ttcgggggtc ctgttgacct atttcgtgac ctacctccgt gactgctctt 180
tttcctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
aagctgccac ctcccttgct tcgccagatc gtatttcagt ctgtcagggg ttatctgtat 360
ctggaggttc cactgttgct tcagtctcag ttacttagaa tggaaccag agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataatcccac 540
atcatgtcct ccctgcactt acattgccac tgctctgatt tgggcttttt tttttttggg 600

```

1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctggttc ttgccactac cagagttctc 660
tagcaaatct gagcatctga cagggtgaaa aattctgaat ggcttcctga tgccctgactt 720
tatgggatca aattcaagtt gcacgctgca ctgagtgcc tcttggtatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa cctttttgctg cagttaatta ctcttcctat tatcttccat gaacttaaga 900
ctgggcaaaa atgttttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaag gaaaagtggg atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatatatt ctagnantac 1080
aaattagtggt cttggcctac tacaatat 1109

```

<210> 1645

<211> 2173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 1645

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taaaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttggtta cattctggta ccgagccctt gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttcact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttcct gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttacatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagaccc acttcctaca tcagacgttt ttgccggttg 660
tcaaatccct tacccaaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccacccagg 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgagag ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctgagactat cagcgttcca atccacatgc 900
tgcttatccc aaccttggac caagcacatc acagccgcag agcagcatgg gatactcagc 960
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ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttgggtg 1800

```

1033

```

ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
ggtgcggcat ccaattcaaa tattttcgtc ctgattttta agctgggttg tgtagtgcta 1920
ttaaaatttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttagggtgc 1980
ccttacttca gcaaaggaga aggagtagga gagccttaga atttttgagg aaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

```

<210> 1646

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 1646

```

ggcggcgtct tccggggcct ggcggggcgg ggaccgaggg ggcggggagg tgaccgggag 60
ggggcgggagc cagcggggcg gcgcggcgcg ggaggcgacc atgcgcggcg cggggggcgat 120
cctgcggccg gcggcgcggtg gtgcccggga cctgaacccg cggcgggaca tctcctcctg 180
gctggcccag tggttcccta gaacccagc cagggtccgtg gtggccctga agacccccat 240
caagggtggag ctgggtggcag ggaaaaccta cagggtggtgt gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
caaggcccaa gagacccgca tgggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcacccaca ggagtgagcg cgtgcagaag gcagaagtgg gctccccact 480
ctgagggggc tgctgctgtc cagccacagg tggccttggc tccaggcctc tgacaggcac 540
ccccttctgt gggaaaggaa acagggtgctg agcccaagag actctggtac cactgctgg 600
ctcatgaagg aagaattatt cttataacc taaaagtctc cagtctgggg caggcgggag 660
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gggcacgtgg ctagggtgag cgcttgaggc tggctggaca ggtacttgag ggggagaggc 1380
cgttccgccg cagg 1394

```

<210> 1647

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1647

```

tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmcttg 60

```


1034

```

aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactggtggg aagacagctt gagtggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
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catagaccat ccactgcctc aggggtcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagaggtgga aatggtggct 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccg cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttcgcc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagttgtg gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa                                           725

```

<210> 1648

<211> 1593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1032)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<400> 1648

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ggctggatcg cgttgtcccg cctggcgcgc ccgcagcgcc tgccgggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acggtgcttg ccaccgtatt ggagttgaac agccccggtg ccatcgagct 180
gcgtacctgc tgetccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcaccggcc tgtggggcct 300
cgtcaacaac gcaggccaca atgaagtagt tgctgatgcg gagctgtctc cagtggccac 360
tttccgtagc tgcatggagg tgaatttctt tggcgcgctc gagctgacca agggcctcct 420
gcccttgctg cgcagctcaa ggggccgcgc cgtgactgtg gggagcccag cggggggacat 480
gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggtc agcatcatcc agcctggctg 600
cttcaagaca gagtcagtgaa gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacggnaag gactacatcg agcacttgca 720
tgggcagttc ctgcactcgc tacgcctggc catgtccgac ctcaccccag ttgtagatgc 780
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gccttcttca tcagtcactg tctgcctcga gcactgcagc ctggccagcc tggcactacc 960
ccaccacagg acgcagccca ggacccaaac ctgagccccg gcccttcccc agcagtggct 1020

```

1035

```

cgggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagccntt 1080
ggttcctccc cgaaaacccc cagcattacg atcccccaag tgtcctggac cctggcctaa 1140
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aagccacagg gaagcatgta ctgtacttcc caattgccac attttaataa aagacaaatt 1560
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```

<210> 1649

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 1649

```

aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tcctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaat gaagtatgtt 180
gtcatgcaat acaagtgcag taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtgggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaactt cctacatcac tttgctgtgt gtgtttacac atgtnggggt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acacccaac ccacaccaac 540

```

1036

tgccacttga aanacaaaac cttgggtggg gc

572

<210> 1650

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 1650

```
gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gagggttgttt gggttatgggt tagcngttga aaagattcag gttatccctt taaatgactt 120
tacgtttttag tggagctggg agattacttg cctggcttct aatcttcatg ttgggttcatt 180
ttattttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtg attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttaa cttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405
```

<210> 1651

<211> 995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (987)

<223> n equals a,t,g, or c

1037

<400> 1651

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gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgctctctta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgcgct aagtgggccc 180
ttgccttaca gttgctgaga ggagggcgaga ggcggggggcg ctaggggccga gatcatgtct 240
gactggggaga ggtttctctt gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcaccag actggcagca 360
tgaccgggtga gtgtccggga ccctgctccc gccaccctac ctttcgctct gccctgtgcg 420
tctcccgtca ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgcctgtttt 480
ggatgtctcc tgcccgcctt ctgcgtgtcc cctccgcggc cggcaggacc aatcggtctg 540
gtcgcactgg cttttgaagt ctgcgttttt acccctgtta gctacttctc acaggacctt 600
gagctggggc ctctgagggt aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgcttttct gtatttcgac tgcctttacc tcgaagggtca 720
gataccaagg ctttctaaag tcaacctttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttgtttgaa aatgattgna aatgcaaaag cttaacagta atgatcagat ctatgtctag 960
gtcagtgctt tgagctataa atggcanaac ttcta 995

```

<210> 1652

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1652

```

gcgagcgcgt gggaaataat tgcattaaaa tacaaaaggat gataggggag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgata ttcaattgag tattaaataa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattcttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggacccaa atgtaaactt cattgggtcag atttagaagc attcatgctc acaagttttg 420
ggaaagtga aaataataaa atcatcttgg attttattct gtatattaaa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagttttttc 540
agaagccttt aattttttata ctttcaatac catattttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636

```

<210> 1653

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1251)

<223> n equals a,t,g, or c

<400> 1653

```

ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcacttgcca cccgggttac catggagaga ggtgtcatgg 180

```

1038

```

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
ggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
atTTtgggac ttctacccag atggaaaaat aacaactatt tttgttggtg ttgtttgtaa 360
atgcctctta aattatataat ttattttatt ctatgtatgt taattttatt agtttttaac 420
aatctaacaa taatatTTtca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgaccca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtc ggatgtaggg gttaacttgg tcagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgatTTtgtc taccatttgt gttttgaaag 720
cccaagggtg tgatgtcaaa gtgtaacaga tatcagtgtc tccccgtgtc ctctccctgc 780
caagtctcag aagaggttgg gcttccatgc ctgtagcttt cctgggtccct ccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctgggtgtac tccatgcagg ggtcagtgca gcagaggaca gtctggagaa 960
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taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccaccacc tcacaaaaac gatgaagkta tgctgtcatg gtcctttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcataat tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaaaa ntctc 1255

```

<210> 1654

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 1654

```

ggaatctcct actatagtga aagctgggtac ncctgcaggt accggtccgg aattccccgg 60

```

1039

```

tcgacccacg cgtccgccc cgcgtccggg actccttgaa ccctggactt caaagggggg 120
agagattgct gcagccccc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnca aagcagggtg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccctt acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgttttg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttcctctt ttgacatt 518

```

<210> 1655

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1655

```

gcttgaaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgaact ccaactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt cagggaaggg 360
aagatcactg gggtagagag gtgacctgra gggagggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcatttg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcatgacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagtg 600
aagatgaatt tcctgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctcatgtaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

<210> 1656

<211> 1062

<212> DNA

<213> Homo sapiens

<400> 1656

```

gggcacgagt ttctgtcttc cttectgggt cctccttctt ccccacccct ctaatagggt 60
cataagtggg ctccaggctc tctgcggggc tcaactctgc cttcaccatg gctttcattg 120
ccaagtccct ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg gtggtccttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgacctattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaaacttg agaagtctc catagggccg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcatttc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgcctg tttccttttc 840
ctctcccaac cctctgggtg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```

1040

```
ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062
```

<210> 1657

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 1657

```
ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttatTTTTTTT 60
gcagcatttt ccagtcacat atcaggggta tactgaactg caacaaagat caactTTTtaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcc tctaacatta gccatttcat ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatccttat 300
gaatatgcat cttcttagct ttatcttccc tttgataggt aggcacttat gctcttccat 360
ctgctccatg tcaaataagg ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612
```

<210> 1658

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 1658

```
catcttaggt gacactatag aaggtagcc tgcaggtagc ggtccggaat tcccgggtcg 60
accacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtgggtgtc 120
gctggaagtc tactgccatt atagggaacc ttgcttgcta gcttctctag atctctattc 180
taaacaatct gttagtgatg ataaattctg taggagggtc tattctgagc cgtaaacttc 240
ctgtaagggg aaaatgggtg gggtaccaga aataccattg aagcagggtg ggctgtgggg 300
tggaagggtg ggggtatttg cttgagaatt aaaaactacg aaacactttt gtacacaact 360
gattttttta aaaataaaca cattttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480
```

1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggc g

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt cctttttantc gcagagctgg aaaagttgga 60
gttggtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgttgtg 120
taaagcactt gattcgtctt ccctttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaaag tcagtccaga aatagttgct cagcaatctc attgttacag 240
tgtcgcaaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgtttgtaaa tgttattttt gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaaagtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatggttt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttggscac agctgcctcc taccacaggg cctgccaggc tctcgggggc atgctgtcca 600
aaggagccct gaaccctgct gacatcacccg tctgttcaa gatgttcaca agcatggacc 660
ctcctccggg tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagggtga 720
ctttggaaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccatcattgt 780
cctggctcctt cctcagtcac actctctgcc tggagcctgt tggggccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtg cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagcccctc aggetgaaga cactgccttc cccctacacc tccccagggg 60
tgccgggttac cagcactggg aggccaggcc atgctcacgc ttcattggagg acacagcagc 120
agagaagcts acaaggttgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcaa acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gagggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtttgct cagaagtgga tgcaccccca agtgacacct 420
actgatgact caaaccttg gtgggcagct ttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcggtgggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgctgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgctgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaact cctaaacctt 720
tgcccctggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaataa 780
taaagtctat ggacagggt gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaaa 847
```


1042

<210> 1661
 <211> 508
 <212> DNA
 <213> Homo sapiens

<400> 1661
 tttctcttcc ccaggtgcct caccttccct tcatgggctt tctgcccgcc tttgggtacc 60
 cctagcgggc ccgaggetca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120
 agcgcagcgc tgatgggaag ggacttttct ccgtggggaa cccaggaccc acttctcyga 180
 ggtgascttt ttttttttct gccgcagtgc ctcacctctc ctccctcaaa gctcaccttc 240
 ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300
 ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360
 cggttcgtgga ggaccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420
 gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480
 cgcaccctgc gctcgaacca gggtcgca 508

<210> 1662
 <211> 544
 <212> DNA
 <213> Homo sapiens

<400> 1662
 gcccagcata gagaggatgg ctgcccaccc tcagctcccc tccttgcttc ctcgagtgtt 60
 ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycgggtgt 120
 cgcctagtca ctccagttga agacgggacg cggtgcccga ctcaagagag ccccccagcc 180
 gtccgtgggg aaccacatcg acgcttcttc tcagcctcca gtctccagtt ccaaggatgg 240
 gtcacttcca accmcttgcc ctgcctcagt ttctccatct ccctgctgca gccccgagga 300
 actggggcacc ctcgagccgt gcatggcccg cggtgcgtcc gaggtcccgg ccgggtcgcg 360
 ccgcagtctt cctcaagtat gcgcggcccc agcgccaggg gaccagcctt gccgccgcct 420
 tgcttgcgc cgctccagt ctgagcctcc ctgagtactg ggactcagtc aaaaaaaaaat 480
 caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcactctcaa taaaagaatt 540
 tatt 544

<210> 1663
 <211> 444
 <212> DNA
 <213> Homo sapiens

<400> 1663
 ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60
 tttcataatg gacacagata tttttatgag atggatgagg tagaagggtga aactttgcca 120
 tcatcctcta caacattgga taatttgact gctaacaagc cttcatcagc tattactgtt 180
 attgatcatt ccccgcaaaa tagttctccg aggggtaaat ggcaatgccg gattttgtgaa 240
 gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300
 tttcatagat acagctgtgc tcaactgcaga aagccttttc ataagataga aacattgtac 360
 cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420
 gatcttatct ttaatgtgga agaa 444

<210> 1664
 <211> 1279
 <212> DNA

1043

<213> Homo sapiens

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<400> 1664

```

tccccgggtcg acccagcggt ccgcgggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgtc attaggggtgg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgttttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagacct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgacccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggatatgta tgactacgac aacctcggag agaacagaag 600
gcctttctgt cctcagtcac gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaagt gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggcctt gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttccttg ctgtaaatcc tagacttgaa agttttccag tattgaaaac 900
ttcaaagctg aatatttttt atttctaagt atttaaagt tctaacagat cagaacatga 960
aatgccctcc taaatgtcag ctgttggtcac acagtagctc caacactttg agcattttta 1020
agggagtggt ctcatttcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
tgattttccat ttctgatgtc tccagattgg caccctttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaata aaatttcttg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaaa 1260
gaaccaagtt tantttggg                                     1279

```

<210> 1665

<211> 2509

<212> DNA

<213> Homo sapiens

<400> 1665

```

cggtcagggt gctggcggttc cgcgcgggcgc cgctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gtcattcat accccaggtc acgattccgg 120
ggtcgcccc agcacttctc cgccgggtgc atcaacctga aaaagccock tcttcctgga 180
aacctcctt ctccagcggt tcaacgggga aactgatcag ctgacaccag cccagtcct 240
gcgagggggc ggcgaccttt gacctttctc caaargggac cacctggctt catgtgtgga 300
tttccacggc tcttgcccag aggggggtac actgtgttcc aatgtgccac ggaactcacg 360
cagtggcact ttgtggcttc atgaaggaag aggcaggcca cgcaacactt cctccccaa 420
ccaaggagaa gtatcacttt tagaggcaga ggagcggaag gcagtgggtg tgacccaaa 480
tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatctt 540
agttgtcatc aagttcgcaa tcagattgga aaagctcaac ttgaagcttt cttgcctgca 600
gtgaagcaga gagatagata ttattcacgt aataaaaaac atgggcttca acctgacttt 660
ccacctttcc tacaaattcc gattactgtt gctgttgact ttgtgcctga cagtgggttg 720
gtggggccac agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga ccctcatttt ggggaagggg aaaactctga ctaatgaagc 840

```

1044

```

atccacgaag aaggtagaac ttgacaactg cccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcattccctt 1080
cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
gtttaatcga gccaaactct tgaatgtggg ctatctagaa gccctcaagg aagaaaattg 1200
ggactgcttt atattccacg atgtgacctg gtacccgaga atgactttaa cctttacaag 1260
tgtgaggagc atcccaagca tctgggtggtt ggcaggaaca gcactgggta caggttacgt 1320
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ttccacacta gagacaaagg caatgagggtg aacgcagaac ggatgaagct cttacaccaa 1560
gtgtcacgag tctggagaac agatgggttg agtagttgtt cttataaatt agtatctgtg 1620
gaacacaatc ctttatatat caacatcaca gtggatttct ggtttgggtg atgaccctgg 1680
atcttttggg gatgtttgga agaactgatt ctttgtttgc aataattttg gcctagagac 1740
ttcaaatagt agcacacatt aagaacctgt tacagctcat tgttgagctg aatttttcct 1800
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tttatataaa aggatgactc aaaggataaa atgaacgcta tttgaggact ctgggttgaag 1980
gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
gctgaatgtc tgagagaacc agagtgtgtc tcgtccaagg tagaaaggta cgaagataca 2100
atactgttat tcatttatcc tgtacaatca tctgtgaagt ggtggtgtca ggtgagaagg 2160
cgtccacaaa agagggggaga aaaggcgacg aatcaggaca cagtgaactt gggaatgaag 2220
aggtagcagg aggggtggagt gtcggctgca aaggcagcag tagctgagct ggttgagst 2280
gctgatagcc ttcaggggag gacctgccca ggtatgcctt ccagtgatgc ccaccagaga 2340
atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttaacaagtt tacatattaa ctaataataa atatgtctat caaataacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

<210> 1666

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1666

```

gtgagtgtgg ctgccccgct tgctgcacgg accccatggg agctgtgagt gggtcagact 60
tccctgggtc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc aggcggcg 180
ggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgccct cgtgggcacg 240
tggaagaagg ccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggcaggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatattwa acmccttgra ttttcaaaaa 420
a 421

```

<210> 1667

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1045

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1667

```

gggacatcta cagccactgt gtaaatagaa ctgcctaatag ttgagagtgg ttttagcat 60
taggttttagc aaggggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120
accctgtcac ggggaaagtt cgggttgagt ccaggagtgc acactgctgc tgccacccaa 180
tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaaga tcattttatc 240
ttaaaaagga aagctgatcc aagtaaacac gaaagtatth gacacacccc acagatttta 300
catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360
gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatthg 420
natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480
ctgaggttca caccacttg gngaattgagc ctgntttctt tocca 525

```

<210> 1668

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1668

```

tcccggctcna cccacgcgtc cggcgggcgcc ggcggaaggt tcagcaggga gccgtgggccc 60
gggcgcgccc gttcccggca cgtgtctcgg cactggcag cgcgcctggc cctgggcttg 120
gaggcgccgg cgccctggat ccgcgggccc tggctgccga gtcggtgtcg tccttgacca 180
tcgccgacgc gttcattgca gccggcgaga gctcagctcc gaccccgccg cgccccgcgc 240
ttcccaggag gttcatctgc tccttccttg actgcagcgc caattacagc aaagcctgga 300
agcttgacgc gcacctgtgc aagcacacgg gggagagacc atttgthtgt gactatgaag 360

```

1046

```

gggtgtggcaa ggccttcatc agggactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttgtttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acatttttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctattc aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgcacat gccaaggccc acgaggggcta tgtatgtcaa aaaggatggt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaacgcaa agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtcgctgtcc aagagaaggc tgtggaagaa 900
cctatacaac tgtgtttaat ctccaaagcc atatcctctc cttccatgag gaaagccgcc 960
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gtgaaaaacg gagtttggcc tctcatctca gtggatataat ccctcccaa aggaaacaag 1140
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tctcgacagt tgcagtactt acccttggct aagaactgca ctgctttgtt taaaggactg 1260
cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349

```

<210> 1669

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 1669

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gcgttctgca ggtgggcgtc gcgccgactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtatttcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttcct aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaactgta aagtctgaaa atagtgtgat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagtgtt cccctattgc ttctgcccc aagactctcct 300
tcctaattca tgcaaaagcc ttagtagacc ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct ttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

```

1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccgggcc aatgtggntt 480
gganttt 486

<210> 1670

<211> 1957

<212> DNA

<213> Homo sapiens

<400> 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcgggaag cttaagctag 60
aatggagaa acaagaattt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120
atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180
ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240
aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300
aagagcgaga agctgaaaaat tttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360
aaagcgaggc tccattttact cacaaagtga atatgaaagc tagattttgaa caaatggcta 420
aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcattgcagt 480
ttgaacaaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540
aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600
catggttcaa gaagcctctt aaaaacacat cagttgtaga cagttagcca gtcagattta 660
cgggttaaagt aacaggagaa cccaaaccag aaattacatg gtgggtttgaa ggagaaatac 720
tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780
cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcaac aataaaggat 840
ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900
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ttattccttt tcataacagt cttcaaagca cagctcatct aaagaatgcc tacttctttt 1140
ccaaataagc atcagattta tcgcctatta tgcagtaaca gtcaataaaa tgtacttatg 1200
ggggggaatt actcaattat tctatcagaa cctattataa agactgtatt tcccatagac 1260
gtttacagca actatgttta aaaaacaaaa acaaaaaaaaa aacacacaaa cctaagtaga 1320
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cggggtgggg aaaactgtca ctcccttcag aggaaaaggg gaggagcatg gagaaaaaca 1560
aaaattaaag gacttaaaga atggctatac agtggtgagt gttgaggata ttaaacadgt 1620
tatttttcaa acgtatgtaa tatatattaa atttataaag caaatttatg ttgtgatctt 1680
gcctgaacaa atttatattt aatgaaaaaa ctttctatta atagtccacg caagagaaaa 1740
cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtg 1800
cacaaccttc gattttaaag tctagtcttt aaaatgagtt tgtaaataat tagctattac 1860
gttctattaa gttgttttat attttaattt tctggaagac aatttttatt tacaacgtga 1920
acccaaataa agtaacttct gtatttataaa gtcaaaaa 1957

<210> 1671

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

1048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<400> 1671

tggcattatg	ggatgtatgg	ccaggctntt	ccntgccagg	aantttattcc	aggcatggtg	60
gaatccttca	tcnggaatgg	atgggttttcc	ntttatgccca	aaaggcccat	gtctaaccct	120
ttattatttaa	ttccagcagc	atggggactg	gtaccagtgg	ttcctcaaaa	gtgtggaccc	180
cggaccacgc	cagtgrgagc	atcatctggg	aacttgggta	aaaaatgtaa	attattaggt	240
cctaccttaa	acctcctaaa	tcacaagctt	tgctttaaca	agcaacctgc	actttaaaca	300
aactctctag	gtgattctgg	tgcatgctaa	agtttgagcy	tcttataata	ammtasaaac	360
tgtaccacaa	ctgataatta	tagtctcctt	tagggataaa	tcaattatta	gttacaaatt	420
aggcaataaa	aggcaaaaata	ctagagaaaa	taaccaagag	attaagtttc	ttcacatatc	480
agtgaaaaaa	agtaaagaac	attttatggt	gaattwgaga	tatacagaga	attacattta	540
acattcacca	taaaaagtaa	agaacatttt	atgggtgaatt	tgagatatatac	agagaattac	600
atttaacatt	cactgatggt	tcattctgtca	gtagaaagaa	ggccgnaaga	aagggtgatcc	660
caaactgggt	aatgtcgagt	aagaggaaatg	taaaatggca	aaaccaggaa	gcaaaaatta	720
ngaagcaaga	gctgctctaa	aggaaaagga	aaagtctctt	cactaacaca	gaagagcgca	780
ggagctgcag	ggccgggttaa	tcaaccaccc	agata			815

<210> 1672

<211> 832

<212> DNA

1049

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1672

ttgcaggtac	cgggtccggaa	ttccccgggtc	gacccacgcg	tccgaggttn	gaaggcgaga	60
tctgattctt	cacccctcac	ccctgnccgg	gctgggtgaca	ctgaaggcaa	agactggggac	120
accaagggtc	cagaactggc	tcgtgcecca	ctctgtgcgg	catgagcagc	gccccgcgc	180
sgggccccgc	gccccccagc	ctcacgctct	gggacgagga	ggacttcmag	ggccgtcgct	240
gtcggctgct	aagcgactgt	gcgaacgtct	gcgagcgcg	aggcctgccm	aggggtgcgct	300
cgggtcaaggt	ggaaaacggc	gtttgggtgg	cctttgagta	cccgaacttc	agggacagca	360
gttcattctg	gagaagggag	actatcctcg	ctggagcgcc	tggagtggca	gcagcagcca	420
caacagcaac	cagctgctgt	ccttcggcc	agtgtctctg	gcgaaccaca	atgacagccg	480
tgtgacactg	tttgaggggg	acaacttcca	aggctgcaag	tttgacctcg	ttgatgacta	540
cccattccctg	ccctccatgg	gctggggccag	caaggatgtg	ggttccctca	aagtcagctc	600
cggagcgtgg	gtggcctacc	agtacccagg	ctaccgaggc	taccagtatg	tggttgagcg	660
ggaccggcac	agcggagagt	tctgtactta	cgggtgagctc	ggcacacagg	cccacactgg	720
gcagctgcag	tccatccgga	gagtcagca	ctaggctcca	cggccccaga	caccttcct	780
gaggacactc	aataaaggtt	cctgaatctt	cctgccaaaa	aaaaaaaaaa	aa	832

<210> 1673

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1673

gcaagaagga	cttctttggg	aaatcagacc	ccttccttgt	gttctacagg	agcaatgagg	60
atggcacgtt	caccatctgc	cacaagacag	aggttgtgaa	aaacacgctg	aatcctgtgt	120
ggcagccctt	cagcatccct	gtgcgggctc	tgtgcaatgg	agactatgac	agaacgggtga	180
agattgatgt	gtacgactgg	gaccgggatg	gaagccacga	tttcattggg	gagttcacca	240
ccagctaccg	ggagctgagc	aaggcccaga	accagttcac	agtatatgag	gttcttaacc	300
ctcggagaag	atgtaagaag	aagaaatatg	tcaactcagg	aactgtgacg	ctgctctcct	360
tctctgtgga	ctctgaattc	acttttggtg	attacatcaa	gggagggaca	cagctgaact	420
tcacagtagc	cattgacttc	acggcttcca	atgggaatcc	tctgcagcct	acctycctgc	480
actacatgag	tccctaccag	ctcagcgctt	atgccatggc	cctcaaggca	gtgggagaga	540
tcatccagga	ctatgacagt	gataagctct	tcccagctta	tggctttggg	g	591

<210> 1674

<211> 616

<212> DNA

<213> Homo sapiens

<400> 1674

1050

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agttttatca tctgtaaaaat ggagataagt attgtcagag taaacatgaa gattagaaaag 60
aacacttaat gtgctggggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgttttg atatttgagg aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggccgg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggaggggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaaact ggaagaaaatt aaaggggtttt 600
ttttgaaaaa aaaaaa 616
```

<210> 1675

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<400> 1675

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aaaacgaggc agaacaggac gtgattttta acatttgctg ggctgtgcc aattcctctg 60
gcagtttagc cagaggaagc tcccttcgct ctggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttgggggtg gggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tcctcctctt cccctggccc 300
ggactccag cttcattgtg tcatcccgcc tgggggaaag caccacccg gatcgtcagc 360
ccactccag ccagcctagc ctgsaagtct cagaaaaaaa gcaaaactgg gagaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccaccataa caaaaggctg ttattccgaa 480
```

1051

```

agggctgagg aaggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
ncccccttgat attttttacct tnataccctg tttctttaang gaaaatccct tcaaaagggg 660
taancnt 667

```

<210> 1676

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<400> 1676

```

tttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatgggtgag tttcagaagg 120
ttaaaaagggt aatttttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttagggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaataat 240
ttgattagct cattctatatt aattttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatgggttca aatgaccttt ctagatgatg ttgktcactc 360
tttgtttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctctgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatggt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

<210> 1677

<211> 1319

<212> DNA

<213> Homo sapiens

<400> 1677

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ggctggcttc tgcgtggtgc agctgcgcac gtgtttcagc cggcagcgct ttaagatttc 60
cgggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttaccagg 120
tcacccgcaa ggtggccgac gggcgaagaa acgacaggct gaacagctgt ccgcagcagg 180
agaggggcgg gatgcgggcc gcatggacac agaggaggcc aggccggcga agaggcccgt 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggctttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gttttggctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaata cttgggaaat cctccttcca aggtttatgg 780
caatattcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
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tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gtttttaggat aatttaaata 1020
tcaaaaaattg attgttatac ttacacatta ggtataaatt atcatttatc tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
atatggattt atacttttat atttataaat ttataacttc atacaaaatt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaataactg ggtgatgtgt gaatatgtgt ttgttggcag acaggggtct actttgtca 1319

```

<210> 1678

<211> 470

<212> DNA

<213> Homo sapiens

<400> 1678

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gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat tttagccact ggggccacc gagaaattgtt 120
gagattttta gagaacccaa tgtgtcycct gggatcagta ttgttgggtg acaaactgtt 180
ataaaacgtc taaagaatgg agaggagcct taaaggatata ttcatacaaac aagtttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgagggtgtc 300
tgtagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcacccact ccacgagtca ttcctaattgt 420
acataacaag gccacaacaaa tcaccggtaa ccagaaccag gacacccaaa 470

```

<210> 1679

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 1679

```

aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcctggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtcctga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaacttat agtgatgcgt tggaagggtta atcgaaacca tccttaccct 600
tatttaattg agtttacctt gatttttatc tgatattaac aataccatat agcttgcttt 660

```

1053

```

ttatttagcat ttctgatata tcctttgtcc atattttctac ttataacctg ttgctattaa 720
tgggttttaga tgtatctctt gttatctgca tctcattggt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga ggttcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatTTTTg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcggtggt gggattatga atgatttttc tccttttgc tgtttgtatt ttctatatcc 1020
ctaaaattaa cacacattat tattgctaga ataataaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa ggggggg 1126

```

<210> 1680

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 1680

```

accctcacta aagggacaaa agctgggggt ccaccgcggg ggcgnccgct ctagaactag 60
tggatccccg gggctgcagg aattcggcac gagaaatggg catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaaag gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatc 300
cggttctaaa attaatTTgt tgcagctttg taaatatTTc ttttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtatttatt atgtagratt 480
gaatgagggg acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaaccgggcc accaggtctt tcaatccagg 600
atTTtgaaag gcttcattgc ccatagggtg 630

```

<210> 1681

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 1681

```

gcatagaggc atagcatggt tatgactctg gtttctttct cttcagggtg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaag tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

```

1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
at ttggcggt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttgga 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg 612

```

<210> 1682

<211> 1194

<212> DNA

<213> Homo sapiens

<400> 1682

```

gcaaccaggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctaggggtc tggaggggtg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatg tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaat ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatataggt 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttcctg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt ccactctgtt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaatgt ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttcctt aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcat aaatgtaatc cacctttagg tatttttagag cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcctttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatata tgcttttgtt tcaccaaaga aacctaaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgccgt tttta 1194

```

<210> 1683

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 1683

```

acacctccaa cagactctca ttaagattca gttattttccg ctccccagcc ccacactcct 60
ttcagattat cgttcatggg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatatttga tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc aggggtccatt gctggcaatg gatggcccag 300
gaagggtccc agagatcact cacttgaaaa atgaggggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg caggtggggg taggggagaa atgaatgaat aaattctcta 480
ggtattttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

```

1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aaatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatctc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccttg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatattttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taagggttaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaagat tctaaatctt aaaa 1014

```

<210> 1684

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgcg agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttggtt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcgggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tcttttagttt 360
gagggccaca cacagaggag gtgggcagaa aactgagggtc tycccagagc agcttttycag 420
acnaaaaaaa a 431

```

<210> 1685

<211> 569

<212> DNA

<213> Homo sapiens

<400> 1685

```

gcggacgcgt ggggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcca aaatgccccct gaggaggcca 120
aagatgaaaa agacaccgga gaaacttgac aacactcctg cctcacctcc cagatccccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccacaact catacaactt tgaccagac acctgtgatg agtccgttga cccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgctatgg aagccaatgg agtggacggg gatgggctaa acaagcccg ccaagaagaag 480
aagacgcccc taaagactga acatttargg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

<210> 1686

<211> 922

<212> DNA

<213> Homo sapiens

1056

<220>
<221> misc feature
<222> (904)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (912)
<223> n equals a,t,g, or c

<400> 1686
cctcatagca ggcattccaac acgggtgccg ggatatcggg gcccgccagcc tgtctgtcct 60
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggg gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcgggtg 180
gaggccgagg tgggtggagg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcaactac ggggttctcca gctcctttcc aggcagagag 300
gaggggaggt cctgagggga ctgctgcccc tcactcggca tccccctgcag agtcaggact 360
gctccccggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggcctctcag 420
gccctgcgcc tgcctcagggt ctttcttget gcagcctget ccagcctggc cccaccccca 480
ggggcaggcg gcccttcctg gcttctcctg tagggcacct ccctgccccct agcctcccag 540
gaaatgggtgc tctcctggcc ctgcctctgg cccttcccs ggcgctgccc ctcagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccggccct 660
gggctaccct tgggtcctgc tcctcaggcc gctccccctgt ccctggccat gggtaggaga 720
ctgccctggg catggccgcc tgcctgtcat tcctgactca ccaccgtccc cagggtgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttgggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaanaaaaa aa 922

<210> 1687
<211> 1596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1397)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1498)

1057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1558)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1589)

<223> n equals a,t,g, or c

<400> 1687

```

tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
cagggttcttt agtggaagaa cgcgaaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcgggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggacccg gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgatc tcattcaata ttgcctcttg gtccctcagtc aagattattc tcgaatccag 420
gggtggttga ytacaatttc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctcttctg gcttttggga 660
ggccatggtt aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtgggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
attttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctggttgatg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggagtt tcagatccaa acgatcaaa 1200
atggttgctg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatatgtt 1320
catccagggtc aggtggagaa acactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttta attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgctccc cttgggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

```


1058

<210> 1688

<211> 329

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 1688

```
ataaaagaag caatcacccc cacatTTTcc cctgccacc acttgccgtg accaagtgtg 60
agctctgaaa ggggaagtct ttaaggTTaa acaagtgttg aagtcTTaat TTTTTtatt 120
acatggactt taccaaactg actTTTTgtt tGtntctttt tagtggctag aagtgacccc 180
aggatTTTTt tattatcaag agagactaga agaatcatga gactTTTcct agttgccttt 240
caagaatatg aagaaaaaaa tggTtctcaa agtgggTTtg aatgagtatt gttccaataa 300
atgaacttat attcataaaa aaaaaaaaaa 329
```

<210> 1689

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (89)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<400> 1689

```
tccgnaattc ccgggtcgac ccacgcgtcc ngttagtaac tacttcaatg atcatttcac 60
aagaaaaaga ctataaatta agtagaganc aacattTTta ttgaacattt ttggcttgca 120
```

1059

```

atcaaacttt gccactaaaa attaaacttca taaaacacta gtccgttata aacttcttca 180
cagagaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcatttagtg ttttgtgaga agggtaaagt 480
tagtgagaaa gggttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag tttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtgggta aacccaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgacctt tgatgacttt 780
ctagtcttaa cattttayct ttttattggt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggt tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tgggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaa aan 1273

```

<210> 1690

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (859)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (986)

<223> n equals a,t,g, or c

<400> 1690

```

tttttttttt tttttttttt ttttttgkat taratttttt ttttcctagt accttccagc 60
tctaaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatatatta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaag agcatatatt taaggcattg aaatggatac agctatatattc 300
attctcaatt gtcttaggct attatatgga aagatatgtg tcaattatag gtaggtaggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtatttcta 420
taaactctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatattg atgtgggtatt gtgaaattca atgggtaaag 540
taaccctaatt gtgggaataa aagtcaaggg aaaggctctg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacaggga gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcctc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

```

1060

```

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900
ttgggtgtgt gccaagcccc tgggttgttt ggaccgtaag ggatkatttc aagttaggga 960
gggaggaag agaagktggg cwttgnttat taaaggttgt tgttacacac cttagggttt 1020

```

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

```

caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60
aaggcttttag agagcagcat aaatgttgac atgggacatt tgctcatgga attggagctc 120
gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaaac 180
aaggatgaat taagtttttt ttaaaaaaga aacattttggt aaggggaatt gaggacactg 240
atatgggtct tgataaatgg cttcctggca atagtcaa atagtcaa atagtcaa 300
tccttgaaga ttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360
tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420
tagtgaaact cgttaatttg tagtgttgga gaagaactga aatcatactt cttagggtta 480
tgattaagta atgataactg gaaacttcag cggtttatat aagcttgat tcctttttct 540
ctcctctccc catgatgttt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600
tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660
cccattcaac atctagttag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720
tagtattgtc caggtctacc aaaaatctca atatttcaga taatcacaa acatccctta 780
cctgggaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840
ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagacctttg aactagagtt 900
tagctggaaa agtatgttag tgcaaattgt cacaggacag cccttctttc cacagaagct 960
ccaggtagag ggtgtgtaag tagataggcc atgggcactg tgggtagaca cacatgaagt 1020
ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080
atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140
ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200
ttttaataat gtttcaaaac tatataacaa tgctgtatct taaaagaatg attatgaatt 1260
acatttgtat aaaataattt ttatatattg aatattgact ttttatggca ctagtatttc 1320
tatgaaatat tatgttaaaa ctgggacagg ggagaacctt ggggtgatatt aaccaggggc 1380
catgaatcac cttttggtct ggaggggaagc cttggggctg atgcagttgt tgccacacgc 1440
tgtatgattc ccagccagca cagcctctta gatgcagttc tgaagaagat ggtaccacca 1500
gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560
actgcattat atttattact gtaagaaaat atcacttgct aataaaatcc atacatttgt 1620
gtgaaaaaaaa aaaaaa 1636

```

<210> 1692

<211> 835

1061

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (833)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 1692

```
caaaaaaaaaag aaaggaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgtccca 120
gaaccctttt ttctaagccc catataaaaag gtagattaaa aaaacaaaagt agcatgagtg 180
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaaggtca cccagcaagg tatcagtagc cctgagggta aggactctga 360
taaggctcgg gagggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aacctgcr gaggccgcct gcacccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaga agagaattgg atgagaggtc 780
tcggtggaat taaaggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835
```

<210> 1693

<211> 607

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1062

<222> (597)

<223> n equals a,t,g, or c

<400> 1693

```

gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaattt gagggtcac c aaccattgtg aactcatcaa 300
agtttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtacctt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaagg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcttgaactt cccatcaccc caagagtgga tctgaaacgc cttanagtgg cattcangac 600
ccttctg                                     607

```

<210> 1694

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<400> 1694

```

ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaata gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgatcaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaagg 240
agttcatgta gtttttgtcc aggccttagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaaagtacc atcagccaag gaaaagaaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaagacc aaagggaaaag 420
atgccaaaga tggaaaagaa gactccagtg ctgcccaacc aggggtggca ttttcagttg 480
acaatacgat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atattatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaactctca 720
tgacactggc tctaagtga aattcactta ccagtttgcc tgactctctt gataacttga 780
agaagctgcg gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac ctctgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgct aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctcatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataaccaa cttgactttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa actttttaaga taatatttta 1260
aatcattttt tca                                     1273

```

<210> 1695

1063

<211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 1695
 ctatgggtgtg ncctgtactg gcactttttat tctgggttttg acttgactta gattgtntga 60
 tacttttggtt ttgggttttgg ttttgacctg gcttggggttt ttggatactc tgatttttgg 120
 ttgggtgtaaa ctgcaaaaagt gtgtgtgccc tgtttttttg ttttgtagtg caygtgtgg 180
 gtgrgygtgg tgttttgtct cgaagaagca tgggtcagggt acaaataagc ccacccccact 240
 aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300
 acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360
 ccatcagaag gaagcctgga caggtccctt gtttcaaagg tatgacacaa ggtaacccgt 420
 aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttataccccc 480
 ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaa 540
 accagtagag agaaaaaaaa gccatctata ccaattctaa gttaatttag actaaacaag 600
 gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660
 tttgcttaaa gttaacagtg taacatgtat tatggtaact tctaattctt tggccttaga 720
 cagtctagtc caaaggcata aagaaagttt gcttttaaaaa aaaaaaaaaaag gaatggttat 780
 cttcaaaaaa aaaaaaaaaaag 800

<210> 1696
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (517)
 <223> n equals a,t,g, or c

<400> 1696
 ccagcacttt gggaggccga ggcagggtga ttacctgagg tcagcagttc gagaccagcc 60
 tgaccatctc tactaaatgt acaaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120
 cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgcagt 180
 gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccatctcaaa 240
 aaagtataaat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

1064

```

agaagaaaat tatgkttatc gtaggagtgta gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtggt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

```

```

<210> 1697
<211> 544
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (505)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (517)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

```

```

<400> 1697
cggaatagtg ggttttgctg caaccgggtt attttccttc tgttttcacc cattctggca 60
caatctggcg ccategtcct tcttgtaggg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggtgct taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttggaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

```

```

<210> 1698
<211> 532
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (467)
<223> n equals a,t,g, or c

```

1065

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 1698
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg tttcacaaat acaaaactgga 120
cattttccct ttaaatgagt tttattataa aatgtacata ttgattgtaa aaacaaaaaaa 180
ttcaaatagt acaaaaascac ataagtaact aataaaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaata tgattaatag tttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgttcttca ggccangcac ggggtgggtca cgcctgttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggcttg gt 532

<210> 1699
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 1699
gcaacatttg tkaaaagtag agggctaaag taacaccctt ctaagcattt gttttcagta 60
cttcctagga gtggttgcac ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcactgcgtg gtgggtgga gaggaggagg aggtatgcag ggagaagggt 180
tctgtgcnc 189

<210> 1700
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)

1066

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 1700

```

aattcccggg tcntcccacg cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgcccggaa gttcctcata aggtacagt accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc ttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggtttttga ttaattgact gtcagcaa at tgacttctcg aactgatatt 360
tgagtctcaa ggctgggtgag taaagagttt tccaaatctt ggtcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcactaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg ggggtgggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

```

<210> 1701

<211> 695

<212> DNA

<213> Homo sapiens

<220>

1067

<221> misc feature
 <222> (639)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (647)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (678)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (691)
 <223> n equals a,t,g, or c

<400> 1701
 ggccctggtg agtgtcctca ccaaggagta tgaggacgcc gtcagcatcg ccacggcagt 60
 gcttgctcgtg gtcactgtcg ccttcattcca ggagtacagg tcggagaaat ctctggaaga 120
 gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
 gcttgctcga gaactgggtc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
 tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300
 ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360
 cctcagcaac atcgtcttca tkgggamoct rgtgcagtat gggargggcc arggggtcst 420
 gattggaaca ggggaaaagct ctcarttcgg araaktgttt aagatgatgc aggctgaaga 480
 gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
 ctccctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
 gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgcccc 660
 ttcgtcgtca tgggtgacnct ggtcctggga ntgct 695

<210> 1702
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 1702
 ccgccctgca ggtcgacact agtggatcca aagaattcgg cacaggccag agggaccata 60
 gtgttgggca ctgtctgacc atgttgcaat tggaaggcta aatggggcca tgaagaaggc 120
 tggaagggac agggggtgat ggcagcctac ctggtgtccc ctacccacc tgttctcgga 180
 gaaccaagtt gctacacagg aagttctcca aggtccagtt tcctttctcc caccagtttg 240
 tggaggcctt aggggaagacc agagtcctgg acagagaggg taacaggagg agtcggggat 300
 aaacatcaaa catcaatcgt gtgtcctgat ttgggagtga ttggggggat ggggtgggag 360
 aggggttagtt ggtattctca tggcctgatt tttttgttt ctattccttt tatatcactg 420
 tgtttgaatc gagggggagg ggtggtaacc ggaaataaag acctccgatc ttccgcccc 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaaaaa 545

<210> 1703

1068

<211> 1620

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<400> 1703

```

aattcgggcac gagggaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcaagtgagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac acactgggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatatc acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckaggt ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
accttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagaaac ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaaagta ggagaactaa gagacttaag aggtcgtggt tcctatatcg tccaaaaaat 600
aggctgttac atatcctaaa gactgctcaa cagcttcaag ttgaaagtgg ccaaggacag 660
ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaatctt 720
aaagcacaca gctctggact caagacagga ggtttgctgc ctgatggctt tgcaacacatt 780
cacaggataa ctgcatagat ccctcgctgt ctgattcact tcttaccatg cactttcctt 840
tgatgctgag gagaaatgga agtgggcgaa aaatctcaag gctgcttcat gtggaccttg 900
tcaagctgct ccctcccca gcgtaaaatt gttatcaggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc ttcccatacg agtttttggt ttgtttttaa tatttttttc 1020
tattaaaata ctcatgcatt taaccttccc gttattcaac cagtctcttg gttgcatccc 1080
tagcacttct actacaagtg agatggtagt gtttgagtgc ttattgagta aagcataatt 1140
cggtcataat gaaatcgttc acattccctc atatgcacaa gccaccaac cccttcacac 1200
cccccttcac aggggtcgta tgagtaaggg gatttgggaaa ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta tttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaaagt 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaatgg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctggtg 1560

```

1069

ggccccaaca ttcttcttgt ttgcccgttt nagggttccn ttgggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

tgcacccgcc	cctgggaaag	atgctgatag	gtcttgctgg	ctacctgagt	ggatatgatg	60
gtaccttttt	gttccagaag	cctggggata	aatatgaagc	atcacagcta	catgggaatg	120
aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tgttatagtt	tagcagccct	ggcgtggtgg	gcaggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttccccctg	gggtgttagg	300
attactcagg	aactgagggt	naggggaagaa	gggnagagga	ggttgcaatt	attacagggg	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

aattcggaac	gaggcggaca	gtgagaaggt	caggtgaggg	eggcaaccag	ctcccccttgt	60
cccgcctgt	tcatectccc	attaccaccg	ccccacaca	ctcacacgca	cacttacgca	120
cagatcattg	cagcggatga	gatggggcta	tgacagaagc	ctcaggetcg	tttcttyctc	180
cctcctccag	ccccctcccg	gcttccagcc	cattctcttt	gcagctgggg	ttcctaccct	240
accctactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactcccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggctttttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctgggtttt	attttgaaat	gtataaaaag	480
caaaccagc	tacaaaggcc	ttttcaccct	tccactttgt	aactaatccc	agtctcttct	540
catcactcct	cctcttacag	tactctgcta	ttcatgetca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttggaaaaa	atttgaaatc	atggctcctt	tttctgctga	660
atatattcta	tatattatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagttttac	tttttttctg	aagccctgga	attctacaag	agagatatatt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttgggtttg	tccgtcttty	840

1070

```

tgtgttggck tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttgaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt ttttgttga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcacc tcttccaagt 1080
ttcccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
ttggtggggg ttgggacttg tggctttaaa gaaatcactt ctgagtagga tgtatatatt 1320
cgttggtatt ttgttgttat ttcttttaga ccctccacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aagggttaaac tgatatttat 1500
ataataaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

```

<210> 1706

<211> 1442

<212> DNA

<213> Homo sapiens

<400> 1706

```

aaaaaaaaactc tctaatacagt tgtacacaca ttgaaactta tagccatggc cagatttttat 60
gctaaaaaatg gtagttttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tccctttttta ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgttgg gttcattttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atltggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggg cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaatt agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
agggtttttt tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgtttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaaat 720
tgggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aattttttta atcagatttg tttttacaag taatatactt tgaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaatata 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaaag tgttaatccc 960
tctcagggtc tctgggtgaag accttcaaga gtttgggttt ttctcccagg aaattggaag 1020
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atlttatgcc agtccttaca gagttttata ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acattttttt ttcttctttt tccaccctct cttgtttgta 1200
gttcattata cctgtcctat tacagaactg atttccctcc tggctgtaca tgttgggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtg 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgcc tttttgacta aaaaaaaaaa 1440
aa 1442

```

<210> 1707

<211> 808

<212> DNA

<213> Homo sapiens

1071

<400> 1707

```

gtttcagggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagttctct cacatcacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaaggtttcc atcctctact gtgggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aaggtttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tcctcttaag tagcgtgggc tagccaatct gccgttcacg gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac ccttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtcttttg gtgtggcctt cttaaagccc 600
tggtgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatatatt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggg 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaataaa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 808

```

<210> 1708

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1010)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1025)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1030)

<223> n equals a,t,g, or c

<400> 1708

```

gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgtcccaa acgcaaggcg aaggagatgc agcagatggg 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaaccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctgtt tttttgttt cctttatgtg taaacaagat gatattctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540

```

1072

```

caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaagag 600
cttgggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgc ttagcaattt catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840
ctaatttcct gtaaaagtgt tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtatnttatt ccacctaagn tttgagtggg 1020
attgnaacgn tgtaatgtgc ccagataagg ttatc 1055

```

<210> 1709

<211> 1044

<212> DNA

<213> Homo sapiens

<400> 1709

```

aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgtctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttatat ccacagcagt aaacccaaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatatgtga cacagttgct gatcgttgtg 240
aaatgctatt tgaggatctg cttttgaaatg aaattccaga aaaaaaagrt tctgaaaaaag 300
agttccacgt cctcccttat cgagtcctttg ttcccccttcc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caacccaaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcggttatct cttttcatta cttcagtgat taggggtgagg 660
cacaaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtatatt aaaacactag cagccagatc tgctgccatg atgcctattt 780
gggtgtgttc tgattaaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840
gggtggccgc atttccagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagagggc atgatggctc 1020
acacggtata atcctaattg tttg 1044

```

<210> 1710

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

<220>

1073

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<400> 1710

```
aattcggcctt cgagcgggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaactacc ttagctgcat agtggaagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc cttttttgtc 300
ttacctgcct ttacttttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt cttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttattttctt tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaacctt ccttgtatct gtcttccag 600
gagagaatga agcaaaacag gaatttggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttggtt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtgt taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgtttttaag ganccaagnt tactt 895
```

<210> 1711

<211> 1614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1614)

<223> n equals a,t,g, or c

1074

<400> 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg tttcatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctaccaa tagtagagca taccacttga agaaggaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagaccggc caggaccttg gtgagatggr 300
gtgccgccca cctcctgcgg atactcttgg agagtgttgc cccagggggg ctncctgscac 360
nctggnagaa ggaagctgcc tgggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttcactct ccagggtaca tgctttaaaa ccgaccgcga acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggtg 600
aaagaacaag tttagggtcg ggactggccc ctagggtgct gctgtgaccc ttgtcccatg 660
tggcttgttt gcctgtccgg gactcttcga tgtgccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagtcct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tgggaagagc gagcacctgt gcccatggct tctggtcatt aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg ttttaaccatt ggaatggacc tttcagtggg aaccctgaga gtctgagaac 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggaggggtat 1020
ggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaacttg cagttttaaag gggccccatc agtgaaagaa actgattttt tttaacggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaaact tccccgcctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaaa gtcaaggcag ttgcttgtgt ttaactgtga acaataaaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614
```

<210> 1712

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1712

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aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatggt actgttaagg ccttttccct cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgctgtca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcactaagt gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

<210> 1713

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<400> 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatttg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atttagatga atgtttttgt tcaactggtga ctcaggtaac acgtcttnca agaagccata 480
ggggagggtt gagggaggga agtcaagaag ggagggttag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgcct ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

<210> 1714

<211> 1595

1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1595)

<223> n equals a,t,g, or c

<400> 1714

```

ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaaag 60
actcagagga gagagataag gaaggaaaagt agtgatggat ctcaccccaa acttggccgt 120
ggaaacctgg cttctcctgg ctgtcagcct gatactcctc tatctatatg gaacccgtac 180
acatggactt tttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgcacatg 360
atcaaaacag tgctagtgaag agaattgttat tctgtcttca caaacccggag kccttttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagactcttt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccagttt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgcctyaacg acaaacaaaa ggtaaaatct 900
gatggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgttttaga caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaatttta ccacttctct tycctttaat aaattgtcaa aggataaagt ttctgtttt 1200
aaaatatatt ttactggtat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
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cttctctgag aattgaggtt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaacca rctgtcactg 1500
aagattatat agagtttgag aatgttgga tatttgaaaa tgctcccca aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

```

<210> 1715

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

1077

<400> 1715

```

aaagtagggg cccgaattcc cgggtcgacc cacgcgtccg cttgctagtg tccccgatg 60
catgaaggat cccccatgt cataggcccc acctgcctgc tgtgcatccc gggtagccag 120
actcggcttc tccagggtgca cttgtcccag gtggccccgt cegtangctg raagggcagc 180
tgcagggtgca ctgcctcgcg gacagggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag gggtaggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtagc tgctattaat ggtcttttga 540
taataaatca cttgtaagtc aataaatttt tattaaacag traaaaaaaa a 591

```

<210> 1716

<211> 1974

<212> DNA

<213> Homo sapiens

<400> 1716

```

tacttttatc tttcaaaaaca aattcactaa aaataacacc tattgatatt gaagtcactt 60
ttctcaaaac ttgaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttggttaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttggttta ttgaattgca aagttttatt ttaaatacagc atttcccca 300
agaatatatc atatgacgct agttccaagg ggcttgactg agtggtgttt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaaga ttttaaagtt catttgtggtt cttcaaggcg aaatccgggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatt gagcatcttg tgaagctagt 540
gggttttttt gttgttggtta tttgtttttt ttttttaatt ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagcttttg tgcatattgt aattatattg cactctttca ctatataatt 720
tcaaaatcac tggaatgttg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaatata tatattaatt ccaatagtta aattcaacaa tatgtaattc aagggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaagattc tattatata 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttataatttt agggaaatat atttgaataa aattaatgca ttttctagag 1080
taaattaaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaataa tcaatttcca 1200
atactcattt ctttcttatt ttgaattcaa gttacaatga ctttacactg tagattttta 1260
tcttgctga tgtgtgctgg tgtgtatgac acaaactcat aagtctggat catgcttggg 1320
tacagtcaat gaatcaaccg agtcactttg aggaatttgt ttttgtccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttacaa tgttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt ttaaatctgt actttatggg aagttgccta tttgtcagta gatgtgggtta 1500
agtgagtcct ctggtgcagt gacatccttt taagcaatct catagggatt taaagaaggc 1560
caataggaat atagatattg gtttttcttt ctctgacttg aactaagtag gagaaacca 1620
accataaacc tattacaaac taccaggcca gaggcattta cttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagacca tgaatattat 1920

```

1078

gtaaaaattta tatatgaatt aaataaatat tcmoctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```

cganacntcc tcactaaagg gancaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc ttctttctcc cgcgcttcct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcggaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacatc 540
tgtggggggg attttcctg                                     559

```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1079

<222> (831)

<223> n equals a,t,g, or c

<400> 1718

```
tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtggt ggctgcagtt taactttgca ctctctatgc atatgagggt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gtcatttttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattgggttt agttttatga aacaatttac 300
cttcatgatc tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaatct cttaaaggcag tttctgttgt ttttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gattttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggtcctatag catctttact actgattttt ttttktttaa 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tcaactacaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tataacctca taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834
```

<210> 1719

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1719

```
gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgttttaaac tcctggaaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagagggt aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgccca aaatttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgtttaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttggttg 420
cctgttcccc aagcttgtca atgttttagag atactattcg gggttgctaaa gccattattc 480
atagaaaatt tctgccccta cagaagtgtg tgcatgggcc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaatt 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcagccca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaa 806
```

<210> 1720

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

1080

<221> misc feature
<222> (428)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<400> 1720
gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60
cccacctcac tcccatttcc aggtagttag gcaggatgag gctgctccca gccactgcc 120
acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180
cgctgtggg tgacgcatga tcctcaggag cagttcacca tgcgctgagc agggccagta 240
ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300
caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360
cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aaccctgac 420
cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480
taacttttng ttttattaaa ctnaa 505

<210> 1721
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>

1081

<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 1721
gagntcagcc tcactaangg aacaaaaagct ggagctccac cgcgggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120
gcaggcccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180
gcttcgcgac ggcagcggca agaaggtagc agtagctgat gtgcagtttg gccccatgag 240
atttcacaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420
tcctcgacag ctggatgcag aggcactgtg caggctctatc agatcatcaa aactctcaga 480
aaacacagtt attgttgggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600
caatgaactg ctccagctgg agtttggaga ggggtgcnatc acaactgana ctcanggctt 660
gttacttaag tattcactg 679

<210> 1722
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)

1082

<223> n equals a,t,g, or c

<400> 1722

```

gcggaackcgt gggaccgagc ttggtaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccattttcaca cctggtgcag tcaggaagct acatttataa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tggttggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagttta 360
ttcacaaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttttyca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccata 619

```

<210> 1723

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1723

```

ggttactttc ctgcgattat aattcttccct tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtcccaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
ggtggtgggc agcaaatgca ctgcagagtc attttcttgg gtatggtgtt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaaact cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaatggt gccttctagt gaaatggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt 852

```

<210> 1724

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1724

```

catcagaccg accagcccaa gaaacatctc accaattttca aatctggcac ccactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc cttaaagctct agcccaaggc 120
tctctgactc ctcccagat ctattcggct tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt cccttggaac atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat ccctgttta atcgatacgg gggctaccca ctccacgttg ccttctttttc 300
aagggcctgt ttcccttgcc ccataaactg ttgtgggtat tgacggccaa gcttcaaaac 360
ccctgaaaac tccccactc tggtgccaac ttggacaaca ctcttttatg cactctttttt 420
tagttatccc cacctgcccc cttcccttat taggccgaaa tattttaacc aaattatctg 480

```

1083

```

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctccctt 600
cagcttaatc tctcccactc taggttccca cgccgcccc aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

```

<210> 1725

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1725

```

ctgtgagggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgctctt tattactgcc tgggtggggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagttgg gatgaaagtc ttagctcccc acttgggtctt ccctgacacc 180
actgcagtggt ggtgttgggg tgcccccttta cagccttttt agtgtgggat tctaggatcc 240
ccacttgacc ttccctgggtg tgggcagagg ttttttcttt ggtgtctgtt gggagtagag 300
cagctgtcat ctaaaagtgtt tctgtcttgc tgggacgtcc tgttctggtc ctttagctag 360
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaaactct gggatatatg ntgtaaaaag aaaaccca 468

```

<210> 1726

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1726

```

gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatgggttt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tgggaagagtc aggcctccag atagcggttta 180
cttctccttt ctcccttgaa tcaactgtctc asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaaag 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaag ctcataggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggg gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

```

<210> 1727

<211> 1897

<212> DNA

<213> Homo sapiens

1084

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg ggggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactggggccc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc ctctcgtgcat gagttacatc tctctcgcct 180
ccagaggggtt aagttctgcc tcctggggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgtc ctctttctcc tctggccctt tgcttggtt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acgggggtgct 360
aggcctgagc cgcctgctgt ttttcctgct gggttcctc cggattcgcg ttcgtggcca 420
gcgagcctct cgccttcaag cccctgtcct tggtgctgcc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagtgtgt tcccagactg agaacctttc 540
cgttcctgtc attggagccc ttcttcgatt caaccaagcc atcctgggat cccggcatga 600
cccggcttct cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tggccgcagt gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcatc gcaggggtgc ctgtgcagcc tgcctcatc cgctacccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtcctctggc 840
tcacagcctc tcagccctgc agcattgtgg atgtggagtt ccttcctgtg tatcacccca 900
gccctgagga gagcagggac cccaccctct atgccaaaca tggtcagagg gtcattggcac 960
aggctctggg cattccagcc accgaatgtg agttttagtg gagcttacct gtgattgtgg 1020
tgggcccggc gaagggtggc ttggaaccac agctctggga actgggaaaa gtgcttcgga 1080
aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggccgg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tcctcagacg gtggctgggtg 1200
cntttggcta cttccagcag gataccaagg gtttgggtgga cttccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tgggaagagct aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gaggttccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct ccctctgtca gttccagaac ttctccctcc 1500
atgacccact ctatgggaaa ctcttcagca cctacctgcg ccccccacac acctctcgag 1560
gcacctccca gacaccaaata gcctcatccc caggcaacccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aaggagagct gagtgcctca gcctctcacc ccctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagccccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1897
```

<210> 1728

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1085

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<400> 1728

```

gcagatattt ttcataagat aaataccac agtgtatagt aatgaacctg gataataaat 60
atcttccagc aaatatttta cttagaagac gattatattt tttaaatttt gagattaatt 120
gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
ttaataatgt tctgctgcta caaaatgaga tggttgggtt aataatagaa ggaagtagca 300
ctgttgaaat agaattaaat gggctctgaa ttcattttgtg attggaatca gaagtcgcga 360
gttctgaaag ggtaagggtt actgcaacat tgctaataaa taatttcaag atgaaatata 420
caaagatgag atccaagctc taacattttac ttgcaacatg aatatggnac tgggttcttc 480
tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

```

<210> 1729

<211> 218

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 1729

```

ccggtccgga attcccgggt cgaccacgc gtccggtaaa attgnttttt ntataccaat 60
atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaac ataacatatg 180
cagtaataaa ccatttggtt tactgctggt aaaaaaaa 218

```

<210> 1730

1086

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (414)

<223> n equals a, c, g, or t

<220>

<221> misc feature

<222> (555)

<223> n equals a, t, g, or c

<400> 1730

```
gcaaaagtgt gcaacagactg tgatttattc attgtgggtct gtgactttaa cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgtgact 120
ggagttatatt ctggttagcag tagccactgg catcctagaa acacatggac atttgttagca 180
tgaattgacc tatttgtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgtat caaacctgca cattgatcct gtaatagcaa atggaagggt 300
atttctctgt actagcattt cagctttatg tgggaaaagt acccggttct ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
gggtggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccgggtgcgg 580
```

<210> 1731

<211> 637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (327)

<223> n equals a, t, g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a, t, g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a, t, g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a, t, g, or c

1087

<220>
 <221> misc feature
 <222> (619)
 <223> n equals a,t,g, or c

<400> 1731
 ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
 tcattttata ttcacattaa tcaagtctac atgtttcggt tagagtaaca ggaagatggt 120
 aatacgccca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtatactt 180
 gttttgatct gcctgtggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
 aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcaactttat 300
 gtcatcagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360
 tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
 agaagaactc agcctgggta gaaatacgag gattaacatc agcacatatt catctccaaa 480
 aaattttcct cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
 gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
 gggataccac aaatanaant ttgctctatt ttcttaa 637

<210> 1732
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 1732
 cacattttct tgcctctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
 tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
 agtcttatta ggccactagt gggctggggg gtggggagaa ggggtggtgct gactgaatca 180
 ttttaagtgat ttttaatttg aatatatttg catgtattag ctgcttctac taatcactta 240
 tttgtccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
 gtttcatatg cttctcacct tttattttat gtttgatgat ttttaatatt ttccctgcatc 360
 agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
 ccg 423

<210> 1733
 <211> 1281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (426)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1273)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1277)

1088

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1278)

<223> n equals a,t,g, or c

<400> 1733

```
agtttgctgg tcttccaata ccgaagaaag ggtgggttggtg acaatacctc ttgcttctaa 60
agaatgtatt ataaaaacacc gcagatTTTT ttttttcctt aaaaaacact acctgatgct 120
ttccttggtt gtgggggattg tggtcacatg aagctctttc tgcatacagta ttaaggtgta 180
tatttgaatg tcttccccctc ccttttcccc tccaggtctg ttagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgctcag aacatgctcc gcaaagtctt ccgcacacac 300
ttcttccccca tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttctcacc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tccccagag 420
cttaancgtt gtctttcaaa caccctgagc ctctctaaac agccagtgc gacgttctct 480
ctgggccacg aagccccctg ggtcctcccc gtccccctgst ccgatgcata cctcagtgc 540
gaaccacaga atctctgcag cggaaacgcc gtgcatactt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaaca gacacacaa 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcaccgc cgggggctcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttctctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat tttcgaggta 1080
aggagttttt ttttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaanaa a 1281
```

<210> 1734

<211> 275

<212> DNA

<213> Homo sapiens .

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1734

```
gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttggagaa tctcttaagt taaaggttgw atctatatga 240
tctgtttagt gtacagaaaa attgaaagcc agaga 275
```

<210> 1735

<211> 1031

<212> DNA

1089

<213> Homo sapiens

<220>

<221> misc feature

<222> (796)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (976)

<223> n equals a,t,g, or c

<400> 1735

```

gagccaatct tgatggtggg tgtggcatta tgtgctcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcatt tttacctaac caaggaaacg ggccacacac cttgggtttag ggatgtttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcttrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgtttgt atcccatect aattccttgta ctgaaatyat ttctcatgaa 300
agtttctcta atattttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactaggttt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcagtgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttattttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttattttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga ccttttaaagg 1020
agccctaggg g                                     1031

```

<210> 1736

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1090

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 1736

```
ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60
aagggaacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwggaa 120
gaagaaattt gggaaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgcctt gaggttggn tagcagccca agtgatct 338
```

<210> 1737

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 1737

```
gacacacatt ataatctaatt gagttaagga aaaatgcttt gattcctata caatttttct 60
ataattgctt ttacacatct cattttcaga agcactcctt gttttttgtt tgttattgtt 120
gctgttggtt ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggcttttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgtgg aaaggggsct tgaaaactcc ctacatgccc 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426
```

<210> 1738

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<400> 1738

```
ctgcgggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60
```

1091

```

ctgagcccg  ctgacccttt  taatTTTTaa  gartgttcaa  tccgagatga  atcatttgaa  120
gtatttttat  atgtatatct  atttaaaact  aatatattat  taaagcttaa  ttgccatgcc  180
gtttatcttc  tctgaaagaa  cttcaaactc  tacctgccaa  catattcacc  atnawttatt  240
ttttaatacc  ttccatacaa  taactTTTTt  aaaamaacct  cagattgaaa  aagcaaccta  300
aattactttc  gctctctaata  cagcattttca  atgtattttat  ttttaaagt  tctcaaaaag  360
taactaaaaa  attgtgtcgg  accctacttt  tgagaaatct  acgtttccca  agttttatgg  420
gaactggcta  ttccttgctc  cggcacacct  tctcattcct  tcctttcaga  gcctaaaacc  480
tcatttgata  agcactccta  gtctctggcc  tgtggatcca  gtgctattct  gtcaccaacc  540
taagaatccc  aattgcacct  tctgtttctg  acagtcacag  gtgacagctg  tgattctata  600
atacagactg  gtgtcttaga  ggtaggaata  atacatgatt  atgaagcatc  accctgctaa  660
tacataataa  tgtcttttta  tattataagt  gattgagttt  agttcattty  aatacattgt  720
acatgaaaaa  atgaaaagta  gaactttgta  atactttaat  caataaaatt  aattacccaa  780
aaaaaaaaaa  aa  792

```

<210> 1739

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1739

```

ctacccctt  gagactctgg  ctttctatTT  tatagaacta  ttttaatgat  agtttaaaca  60
tgtataacct  ttactgggta  ttttctgttc  cccttatctt  gggagttcag  cataatgctg  120
tgcggatcag  gataacaagg  tcccactgag  gtgaaggagg  gaggctggga  atgctacagc  180
ctggagtgg  ggtgtgattt  cagtaggtgg  aagggtgtct  tcctgaaagg  aattggcaga  240
agtagattct  tactgattca  gatacatTTT  ccaccaactg  aaggaaggaa  ttattaaagc  300
caatggtgaa  caaagcattt  caagcatttt  ataggaagtg  actagatgag  gagatttttt  360
tcattccttt  tttaatcagc  aaaaaagaaa  ttagtattat  tgaattagca  gattcttcct  420
attctatatt  aagaaagatt  taatttttTg  accaaggaag  gttaggtg  468

```

<210> 1740

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<400> 1740

```

gcaactagcc  acgagttgtg  tttcatctga  accttcatcc  ccctcctcct  ggggactatt  60
ttgaaataaa  tctaagacat  cagggccagg  ctcaagtgatg  ncttaga  107

```

<210> 1741

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

1092

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (465)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 1741

```

ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtaggcatag tagcagttgc agaataaaa ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgcca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt agggtaaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatggtt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaatt attgagggtg aatttttgct 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                         485

```

<210> 1742

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aactttttaga gatgaatcca aatcaataga gagcagagtc 120

```

1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatattga agtattatac caaagtgtga cacgtgcatt 240
ctgcgttttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcattttta caacatgcaa tatatttgta acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

<210> 1743

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 1743

```

aagctgggtac gcctgcaggt accgggtccgg aattccccggg tcgacccacg cgtccgtnc 60
tgctgcccgc cagcgcgtccg gatctactga gtaaagaccc ctgcctttcc tcccgggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagtg gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggtat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

<210> 1744

<211> 953

<212> DNA

<213> Homo sapiens

<400> 1744

```

gtccggaggc agcagtgtcc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaattt ctccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atctttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accattttcc 240
agacagcttc caggccaccc ctttctgctt taaccagagc ctgatcccag gatcaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attcccctgc ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgct ctccacgcc cagtacagct gcttctcctc 480
ggccaccacc tccatctgct actgcgcac gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac ttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtta cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgataaa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

<210> 1745

<211> 392

<212> DNA

1094

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 1745

```
agttgatcaa aacggaggga caaaaaacgg ggtgggggtgg gaagcaggaa acagtctctt 60
aactttctcaa ggactcagct ctactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcataataag gcaatagaac tatagggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tattttatata agacgtatac ggcaccttct 360
tcaaatgctt ccttttcaag aagggtgccgn at 392
```

<210> 1746

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

1095

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (515)
 <223> n equals a,t,g, or c

<400> 1746
 cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctatagggaa 60
 agctggtagc cctgcaggta ccgggtccgga attccccgggt cgacccacgc gtcccgagatc 120
 agttggcctt atttcctcag tggaaatcta ctactatga tgtggtagtt ggcgtgttgt 180
 cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240
 tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccctg cctgggtttat 300
 tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360
 accggggagg ctgaggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420
 atgattgcac cactgcattc tagcctgcat gatgggaatg agtccctgcc taatttaaaa 480
 aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747
 <211> 251
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (174)
 <223> n equals a,t,g, or c

<400> 1747
 agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcggga 60
 tgaaatgaaa aaaatmcttg cagaaaatag taggaaaatt rctgttttgc aagtgaatga 120
 aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaaga 180
 aaatgagaag caaaagaatg aattgttgct catggaagct gaagtttgtg aaaaaattgg 240
 gtgtttgcaa a 251

<210> 1748
 <211> 355
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (353)

1096

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 1748

```

gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttgggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggctga gccacccctc tgcctgaagc tggcagccag 120
gtctctgcgg ggcttggaag cctggwtcc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcaactctcca gcctgagggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttcctgc ccncn 355

```

<210> 1749

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (777)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (799)

<223> n equals a,t,g, or c

<400> 1749

```

gaaaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaaa gttgcaatgg aaaaatgggt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacgggtgg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccatgtattt ttagattact 240
cacagataac aaaaagtatt ttcattcatga ttagttgcca aaacagtatt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtga ggagtgagga gatagggtag ttcttccttg gctggctggc ttcattratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatttgta tgacctcttt 600
ggaggttccc tgctgggtag ttatccttgt atctgatggg acccatctca attttaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcatcc ccagcacttt tggggaggct 720
tcagagggtgc catttggtt tgagcccaa gaattttgag acccagccgg gggcaanccg 780
ggggttgaaa ncctctttnt tcccatttaa aaattaccaa aaaattaggc cc 832

```

1097

<210> 1750

<211> 484

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<400> 1750

```
ggagagatga gaatactatg aaaaatatat tttcaaaaaa gaggaaatta gaagttgcat 60
gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120
aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180
aatatgataa tattttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240
cagccatttt tcaacacaaat gggaaaaaaaaa tggaatttgt ttcctcggag tctgtcacty 300
cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360
cacaaaagga ctcaagttca aaccatgttg atgagtttga agataaatctg ctgattggaa 420
tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaaacttc caccaaggga 480
gcag 484
```

<210> 1751

<211> 772

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (766)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (772)

<223> n equals a,t,g, or c

1098

<400> 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggctttcttct ccttccccat 60
caccacagtg ctcagggacc ttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacccacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccggtca gcacctcca ctgnagcaca gagacaccct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccttgccgct cctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacgggtg acccaccatg aagtccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

```

<210> 1752

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<400> 1752

```

tcgaccacg cgtccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct ctcatgatt tgttgagggtt ggaatgattt 180
ggcagtcctt gaaattttatt ttggggagga ggtggcagaa gagtggagtg taccagggtta 240
tgagatttct cttaacccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

<210> 1753

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 1753

```

atgacacaga ggctgatgtn ttggggcttg tggcttcagg gacccctgat gtggccaggg 60

```

1099

```
ccatgactca caccctactc aggcattctgg cagcaaggcc ccctacccag gccagcacc 120
agcatcagtg tcccycatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222
```

<210> 1754

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (184)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<400> 1754

```
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acggttttta aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttacia ttaatctaca aagggaatta atattgttga cttttaaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcatcgatt tacattgcc aataataaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650
```

<210> 1755

<211> 560

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

1100

<220>
 <221> misc feature
 <222> (526)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<400> 1755
 agtgttccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60
 ctytggcagc rcggacagga cctcaagtgt ctggctggca gacacagggg agtgtgtgcr 120
 cacgttcacg gccacagac gcaacgtgag cgccctcaag taccacgcgg gcaccttgtt 180
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300
 caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360
 gcgggtcccc cgcgccatgc gcagcctctc gcggctcttc agcaacaagg tgggctgcgc 420
 cgtcgcgccc ctgcagccgg cctgatcccc cgggggcccc gcagacgcca gccagacac 480
 ccagcggctc ccanagcgcc ccgncctgct acccgcggtg gtggcncccg atggccccggc 540
 naggggcnag gagcgaggaa 560

<210> 1756
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (282)
 <223> n equals a,t,g, or c

<400> 1756
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttataccctt 60
 gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacagggtact 120
 tgtttattgt ctatttctac cactaaaatg gaagctccaa ctgctattag attaatattcc 180
 ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240
 gaccttttaa ctacccttcaa aaatacaata aatatgatta tnctagact 289

<210> 1757
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1757

1101

```

gggagcactt ggagcggatg ctggggcagg ctgggggagcg ccgggctgat gtgtacgtgg 60
gcgtaggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgtcctt tgcctttcgt cacgtccttc tgctgggca 300
tgggtgcacg gaggtctgc tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
ggggtgtgac                                     490

```

<210> 1758

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (837)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<400> 1758

```

agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttcctcc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaaggcc cgggccgtag aagatgcccc 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcataataa ctatttartg agtaccnaac 360
acaaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgatc 420
tcactgatat gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatgggttat 480
caagggctgg gggaggagg gactggggag atgttggtca aatgatacaa aggttttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```

1102

```

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gttaattacc ttaatttagt catttcacaa tatgtacata tataaaaaata 720
tgttgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaaana aaaaaa 855

```

<210> 1759

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<400> 1759

```

tgacactata ttaggnacgc ctgccggtac cggtcceggaa ttccccgggtc gacccacgcg 60
tccgggatct tctgcanttt acctctccgt atctcatttt ccttagattt tatatggttt 120
taatttaaaa gatctaaaag tacactgtaa atgcacagta tatggagggt atagtataat 180
agttacaggt cagcaacaaa tgtttggtct attttccttt ctctctgcag cctctcttgt 240
ctttccaggc aggtgagtag tttcatctgt gatcatttat gctctgtacc acctcctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcat tttgtggtaa 360
aagtcctttc tggagaagca gtacaggaag gtttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccagtt 480
tattgtagga tgtttcacag catccatacc tttatcata tgcctycaag gtaagacaac 540
caaaaatgtc ccagacact gscaaatatc ccctggaggg caaagtttta tttgagcact 600
at ttgctaaa atawtgktgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc 693

```

<210> 1760

<211> 2726

<212> DNA

<213> Homo sapiens

<400> 1760

```

gaggcgctag aggcgggggc gccgggaggc gcgggcttgc tcctgggggc tcggccttgg 60
ccggctggac ctgaccctag ggcggcttgc gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcgggcy tgcttcccag acttgcccaa gttcgggtgc cctagctgcc cttttgcagc 180
cgctggccta cccggcccgc gggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgcggggac cgcggattgg ctgcctcggc tttctctttt ccccggtggc tccggcgtag 300
ggcgctgaag cggccggcag ccggcgaccg gccctcaccg tccgccgggt tgcgctctgc 360
ttttgcggtg aggcgttgac cacgcccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggtcggtgga atatgttggg 480
at ttatgttt gcctctgaac aagtgtcttg ctcacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttcccgc aggagctcat atccttattt tccatgacag atcttaacga 600

```

1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttatactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatata aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctgtt ttctgttgtt gttcctgttc tgatcgtctc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atttatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggccctgtcg tacatgatat aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgtct tgctggagac 1140
acatgggctt cagaagttgg ccagttctg agtaaaagtt ctccaagact gataacaacc 1200
tgggagaaaag ttccagttgg taccaatgga ggagttacag tgggtgggct tgtctccagt 1260
ctccttggtg gtacctttgt gggcattgca tacttcctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtggcca attattgcat ttggtgggtt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tgggtggtaa cagcccaaca aataakgcaa ggcacatagc agggaaaccc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgctccca 1560
actgctgctt ggggtttttg gcccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcctc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagyga agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtccctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tcttattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagttg cccaaatggt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagtg agttttgtgg cctactccac 2160
atttgttctt ccttcctcag ggttagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tggtttagca 2400
ctggcatcct gaacagttaa gagtcaactg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat tttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggta cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgatttctgt accttcttcc tctgccccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

<210> 1761

<211> 1033

<212> DNA

<213> Homo sapiens

<400> 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tggtttattt ccagttttaa cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcaggtcc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataataca aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```

1104

```

agaagaaaag ataccctttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaaag agcacttaaa tatactgat agcaacactt 660
aagatattgc atgggggatta ctttcctatc atccatattg atttgtgcaa cttcaaacad 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaatttggg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaaatt cctcaaactg ttggtgccat cagtgattta 900
caaacaatat tttgatattg cagatgactt gcttactgta ttgcatgtg tagaaaacag 960
ttttagaca atgattcttt ttttaataaaa tcaataaatt ctaaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa 1033

```

<210> 1762

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 1762

```

cctctcggcc gtaggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtatgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtaaaatt 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attatttaaa attttgaagc cccattttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttggt aaaatggcaa 360
gtcatttcat ttgtgtttaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a 621

```

<210> 1763

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1763

```

gacttttctgt gtttacttgt atgaggaaaa acagyacata raggcattcca cagtatttaa 60

```

1105

```

tttgtttggg taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctatttttatt tacactctat ttatryacat 180
taacatcttt yttaaattggg attattgtcc atatgcttta ttttttttat tccagtgatt 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttagggagagt aaaaagtatt taacaactta tatttgtctc 360
acattagagg aatgggttaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggt 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

```

<210> 1764

<211> 1371

<212> DNA

<213> Homo sapiens

<400> 1764

```

cagttaaata actcctgggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagtg gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg ggggtgtcact ttgaaaatat gttgcttttt ctcttgattg tattgaggct 240
gatatggaag gggtattttct ttctggccaa tacttttttg tatttctaaa tattgcaatc 300
ttgatttttta ctattaaatt tggttaattgt cagttctggc ttttttgc ataaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaat ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatt ctgttgcttt ctaatgttta ctaaaagtgt 600
tgtttagaac aacagatttt aataggcatc ttcctttgtt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagt 780
aatctagaac cactcgataa caccaataaa aatattttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcatataat ccacagggtga ccattgtgag 900
gtagatattt tgttctaat ttccagatga ggaagctgag accctaaaag gctgaccggg 960
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ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgctgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

<210> 1765

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

1106

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 1765

```
tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcagggtgtcg ttgttttagtc ggcttttacta acatattgaa 120
atggctctac ccaaagacgc catcccctcg ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccgt caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgctg 300
tggactcggg accatacccg aagaaattct ctgctcaacg tggaaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccaaagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgtct agtaaacctg gggaaactgag aagagaatat 480
gaagaggaaa taagcaaggt ggcggcgagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacataca gaggttggtg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gagggaaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacaccc aagtcnngaa aaagga 766
```

<210> 1766

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1766

```
ggcagagggtg gagggcacgg aagggggtttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggtc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggttg gagcctggga tgagccccgg cagcgccctg 240
gcccttctgt ggtccctgcc agcctctgac ctggggccggc cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttgga acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttcccct ctgttggtaca tcgttggttt gtgtttgtgt tgtaacagt 420
ggtggaggga ggggtgggtc tacatttgtt gcatgagtcg atgggtcaga acttttagtat 480
```

1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccctctaag agctataaaag gcttttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa 736

```

<210> 1767

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1767

```

naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctggttaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttccccctt gccaggagca tctgcatgtg gtacttctct tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttaaaa atgcagattt tgtcaaata aataaagatc aatggatgtt 480
gggtataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 521

```

<210> 1768

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1768

```

aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt catagggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttctcag gtctttgggc tggatgacat gtctgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccattgttaat 300
catttttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atgggttgac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct 453

```

1108

<210> 1769

<211> 636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (571)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (623)

<223> n equals a,t,g, or c

<400> 1769

```

ccctataggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg gtcgacccac 60
gcggtccgggc gactggcagg acgcggtgca gagagcggac ttccgcgacg cggaacgtcc 120
tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
gatccagaag aacgaatgtt ggcagctgct acagctttta cccacatctg tgcagggcag 240
ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
tcaktagccc caggggaagcg acctgctctt cctgtgcaac tacagtacc acatgtagaa 360
agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420
aagagaaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
gctggatgaa tgnacagttcc aggaagacaa ngaatcttca tttgatgggt cacaacaaat 600
taacctacca catgaatacc cangaatttc tcaaga 636

```

<210> 1770

<211> 643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1109

<222> (632)

<223> n equals a,t,g, or c

<400> 1770

```

tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa ctaaagggaac ttcagtctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgggagatgt tagtccagcc ttaaaaacaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaatect tcagraaccc 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kgggtcccggg ctgtgtcttc 600
ttaactcttg ctgttggggg acccttcagg gnaagcttac cca 643

```

<210> 1771

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<400> 1771

```

catattttaa aaaatatggt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatatttaa cttatatcta gccatgggat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct tttcctatta tttacttttc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatattgtgt taaatgtttt cattataaat ggggtgttcaa ttatatcaat tttattttct 420
gcatctaatt ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
cattttttgga ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggattatct ttatcagata tatggctgct cttgagttac taatctttta cactttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734

```

<210> 1772

<211> 396

<212> DNA

<213> Homo sapiens

1110

<400> 1772

```

gcfgacgcgt gggaaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gccagccct aaatctactg aatcagaatt ctatttttta tgtacactcc agatggttct 120
gatacttgaa caacgctata tttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaaat gggtaattat tcataccaat gctaaactca 240
gtatttatta catcaaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttggttattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg cttagc 396

```

<210> 1773

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaat cactgaaaac ccaactcaaa gtgacttaag tcagaaaagaa attttatgaa 180
ttcaggtaat taaaaagtc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccacagt aaccacagtg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgaccc gtttggggtc tcactcttac ttctagggga atgaaacact 480
ctgagtggcc aggctgtgt catgtgctaa ttctagagc cagggaaaata aggtctgagg 540
attcaggatg ggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgccatta ctgtgaggga 660
cccttgaaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

```

<210> 1774

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1774

```

ggcacgagac tgaatattga aataatgtaa aagacctatt tcccgttagc ttttaaccgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaagtgt tgctaaatat taaaaagaat 120
tcaatgtgtt tggtttttga aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atatttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttgggta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttccctcccaa 360
tttaagtttt tctgggtttt tttttcccc ttctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaattttgag 480
catgacagta wtgtaaaaat attcagaagt ctcgaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

```

<210> 1775

<211> 423

1111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 1775

```

ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actgggtctcg tagcacaaga attcctgata 120
gcaagatact ttccataaga taccttcaac ccggttaatt ttttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423

```

<210> 1776

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 1776

```

acgttggtga aaactgcttt cccctttgaa tggctctggc ccccttgtgg anagtcactg 60
cagcataaga gttagccttc atctctgggc tctcctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcatggtgg accaccctct ggctctgtcc actctgccac ttttttcctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccttcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tcctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggt ttaaagcctt tgtttactaa gtccaatgtc taggcttcct 480
tgggcatggt tttgtcagtt aaatatcttc ctttgaatga gtcatacctt cctgttttat 540
ttgctttaga ttttaggtca ctaaattttt ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccktatct 660
cctgtatctt t 671

```

1112

<210> 1777

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 1777

```
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgtgc tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttgtttt gtcaagtgtc tttttccccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaataa aattgttttc cttttctttt 420
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct ggggaaggtra gttggtcaaa ctccggattc tttttataca 540
acattgatcc ctgaattaag tccctgcata tscaagtatg tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtgaa 660
tgtgaaaatg agatgtaggg aggttttttg ggattagggg agcaaggaag agatggggag 720
gataccttaa agtagataaa gtatatgtgg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtatg tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatatc aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctggtgg ttttatatth agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaatthtgt atthgttht atthatttht tthaaacccc 1200
tagtaaatth gcagtgaath catggggaat ataataaath agtgggtgaca agcattthgaa 1260
aaagggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatththt tthtcaataa gtatcttgga aaatththtg gagatththtg gcaatthgaa 1380
aaaacttgca aactatagct tagaaatath agaagttaag aaaaagtthg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattthtath atthaytacc ataaaatata 1500
cacaagttht tthtaattat aatthtath aaacaatttg acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aatthtgtag ccaccttctg ttgccattgt 1680
gatgagctca aggggttgga gtattcactt aaaatgccac gtgacgctaa tcatctthcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779
```

<210> 1778

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

1113

<223> n equals a,t,g, or c

<400> 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaacggaa aaggagatga aaatagacca 180
aktggagaaa ggcttggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcac ccaataacag gacgggacaa tcagagatga cttggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacacttctg ggggccagta gccaaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc                                     559

```

<210> 1779

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (770)

<223> n equals a,t,g, or c

<400> 1779

```

gcaagtcctc cattyttcca ccattgattt ttectgccac agatattgac cgcattctcc 60
gtgctggcct tactttgcag gaagctcttg gagctttgca tcgagttggg gggaatgcag 120
accttgcaact tcttgttttg ctgcacaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttta acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agattttttt taaagatttt ttccggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttgttaaa atttaggcct ttttaaatgt attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tggaataaaa tggatggttt tgtgtgtarc 480
atactgtttt agaatgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgctgatggc 600
aaggatgggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa                                     786

```

<210> 1780

1114

<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (634)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (652)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (657)
<223> n equals a,t,g, or c

<400> 1780
caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
gtgcctgtaa tccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120
cagaggttgc agtgagccga gatcacacca ttgcaactcca gcctgggcaa caagagcaaa 180
actccatcta aaaaaaaccc acatttttcat gaatatcagc catcaacaat gcagaaagta 240
atagaçtagt cttctgaatt attaacccta gcaattgtca ccaagtgaaa acctygggtca 300
ctaaaacttc ttggaatagc attcaaggtc ttgctttaac aaaaaacccc aaaacttggc 360
ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
tacttggctg gaccaccagc aggttctact ccccggtgtt cttcrcagtt tgtcagttgg 540
gctgatttgg gtttgcacac agagtattca gccaaagatcc caagatcaag tatccaccgc 600
ggccccggcc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggntat 660
ttcatttcca gatttttttcg tgttacct 688

<210> 1781
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<400> 1781
aagtctattg gcatcctcga catcttttga tttgaaaact ttgagggttaa tcacttttgaa 60
cagtttcaata taaactatgc aaacgagaaa cttcaggagt acttcaacaa gcatattttt 120
tctttagaac aactagaata tagccgggaa ggattagtgt gggaagatat tgactggata 180
gacaatggag aatgcctgga cttgattgag aagaaacttg gctcctagcc cttatcaatg 240
aagaaagcca ttttccctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
actatgctgg agaggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

1115

```

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
cggcctac 548

```

<210> 1782

<211> 567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (487)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (500)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (546)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1782

```

aaaaaaaaaa atctatattt tatrgaaata ataaaaaaact aaccttagct tactgtaaat 60
tttctagttt agaaacttat ttaaaaacaa tttttggact cttctagtaa taacgtagct 120
taaaacacac attgcatagc tgtacaaaaa tattttcctt atatccttat tatataagct 180
tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240
agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300
actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
ctatattgtg atattctttt caaaataaag tttatttggg agataaaaaa aaaaaaaaaa 480
aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
cggctnggaa cccgngtcc acttacc 567

```

<210> 1783

<211> 537

<212> DNA

<213> Homo sapiens

1116

<400> 1783

```

gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaat tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggtttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagtttac caaaacaagt atttgaaaat atatagtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttaagctga 300
ttaccccaact gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaattttac catcccatcc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgcctcttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

```

<210> 1784

<211> 614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<400> 1784

```

tgggtcaatc tcaggttcca gtctcagaaa ctgcaggttg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaaatg tggtaagtgt tgtcagagca gggcaatata tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccat ttgaga cattatacat aatttgtttt 240
tgttataagc cattttgaatt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccaccca ccttattgcc tttcctttga ggtaccgtgt gcgggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaacccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614

```

<210> 1785

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1117

<222> (460)

<223> n equals a,t,g, or c

<400> 1785

```
aaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttccggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttctyg tagcaaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctccctggaga 300
gctgtggaca tgcagtcccc ctcagttcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgncccggct 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

<210> 1786

<211> 584

<212> DNA

<213> Homo sapiens

<400> 1786

```
ctgctgagag ttggtaaaga ggatggtcga gtgagatggg gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagaggggc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

<210> 1787

<211> 1333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1271)

<223> n equals a,t,g, or c

1118

<220>
 <221> misc feature
 <222> (1298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1313)
 <223> n equals a,t,g, or c

<400> 1787
 ttttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60
 tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120
 cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180
 attattttaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240
 atcatattgaa ccaraatgtt tcagcaacac agattcatct gcaaccacaa atcagacaca 300
 tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattcttg 360
 gctaaatgga atccttgttt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420
 cttcccttgg ggaaccacaa ttatctgtga acaatgaaag tttgtctgaa taattcatca 480
 gcctcaaggg tacaggcctc cccttattct ggaatcccag gagtttaggc aagtgtgtca 540
 tttaatgggt ctcaactgtg tcctcagttg ttattattcc agggcctggc atttatgggc 600
 acattcctat aatttttacta attaaaaaaa aataagctat atgggaaacc actgtcaagg 660
 tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720
 catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780
 agagcccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatgggtca 840
 cttacatatc agaacagggtc ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900
 aaacagagat ttattgagaa ggaggggtaa agtgaaatca agaactgctg ggaaatttcc 960
 acaagaaaca aggacaaatg gtttttgttg tcagagtaaa accagcctcc cctagccatg 1020
 gtttggaag ttatttgcta gcccacaggg gacaatattc tcaactgggt tatcagggac 1080
 ctttttgatc caattatagt tattgggcag atacagtccg taccctatta tcagragacc 1140
 tagtttcaaw tcctgagtc accttytaa ttcactgtgt gaccctggta caagtcaact 1200
 aagctctctg attcattggg tcaacatctt taatatgnng agagtaatgc ctatccccat 1260
 accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaattttt 1320
 agatcccgga aag 1333

<210> 1788
 <211> 550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (32)
 <223> n equals a,t,g, or c

<400> 1788
 taatattaag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60
 ttaaaatgta gttataacta wtttttaattc caagggtgttg tttgcttttw ctttttaaata 120
 ttttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180
 tgaattaaat aatttttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240
 gtatcttgta cagataacat gtatttttaa aggaaaaaaa acggaattga agctattttt 300

1119

```

tcttgcattt ctaattgacc tgaggacat tccgtttgaa atgtactgaa gttacagttt 360
ctgggttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaaa gttatgcatg gggtttttaa gaaaacaaag tgttcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa                                     550

```

```

<210> 1789
<211> 485
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

```

```

<400> 1789
tcgtgggctt cccagcatac ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgtaacaac atgttgcatc tgtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccaaggg tctgcggcga tgetctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgcgcgcg catctgmtgg actactgctg 240
tgctcccatg cctacctca taggaatcca tttaaagttta atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tcgaggattt atgggagttt atgggacttt 480
attta                                     485

```

```

<210> 1790
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (446)
<223> n equals a,t,g, or c

```

1120

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 1790
 gcctacgcgt cgcgccacgc gtccggtgga acagtttctg ccagataatc ctgttttgggg 60
 gtttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
 tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
 cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc gggggaaaga 240
 ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300
 cacacaagggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
 gaagacaagc tatgtgtgtg tgttgtttta aattctattc tgcaagggtg gatctgctgc 420
 tggaagtgtg ggttggcttc caaganggaa tattaaaaat ttggaccaa tgctccttgc 480
 aaaactaggc atattnttac ttggaacaat ttattttggn aaacattttc cccaatnttg 540
 gnttttataaa ccagcccaac ctttt 565

<210> 1791
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 1791
 agaagttgta catattcaga gttttccatt ggcagtgcc aatttctagcc aatagacttg 60
 tctgatcata acattgtaag cctgtagctt gccagctgc tgccctgggcc cccattctgc 120
 tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
 cgatggggaa ctcacttcct ttggaaaaat tcttatgtca agctgaaatt ctctaattat 240
 ttctcatcac ttccccagga gcagccagaa gacaggcagt agttttaatt tcaggaaacag 300
 gtgateccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
 tatctctact tccagggacc atttgcctt cccaaatccc tccaggccag aactgactgg 420
 agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
 gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
 cttgctgtcc cgggtgtcacc tgcttccatc tcccagccca ccagccctct gccacctca 600
 catgcctccc catggattgg ggctcccag gccccccacc ttatgtcaac ctgcacttct 660
 tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatattatgag taattttatt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa 914

```

<210> 1792

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<400> 1792

```

ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgttttaggt ttagtgtctt ttccttgtec ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

```

<210> 1793

<211> 1054

<212> DNA

<213> Homo sapiens

<400> 1793

```

aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcacatga aatatttagt tgtcatataa 180
aaaccactg tttgagaatg atgctactct gatctaata atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttggtg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcattgggtt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcgggtg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaaatagc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttgc tactgtatag tgcattgtgtg gtaggttact 660
ctaactgggt ttgtcgacgt aaacatttta agtggtatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatat tcagactggg attaatagaca gcatgatttt caatgactgt aaattgcgat 840
aaggaaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggctgttgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

```


1122

cagaagacac aaggaattgg tactgaagag ctat

1054

<210> 1794

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<400> 1794

```
ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaatTTTgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg atTTTcaatg actgtaaatt gcgataagga aatgtactga ttgccaatac 180
acccacacct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gaggggtgtgt cacttgaaa ctcaatagtt gagTTTggt gTTgttgCag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcggggaaac atcccatcaa 540
caggactaca cacttgata tacattcttg agaacactgc aatgtgaaaa tcacgtttgc 600
tatttataaaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tgTTaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaaa aaaaaaaa                                     797
```

<210> 1795

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 1795

```
acctttacct tctgtagtgc cctaattctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattagggtg tatgaaatca 120
```

1123

```
cacaatataa aagctatatc atattttrtt agaggggattt ttttgctacc tttgctagta 180
cttgacagat ttatataaat gttnaataaa atttgggnct gagaaattgt ttccccccct 240
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaagggt aagttctggg 360
cagg 364
```

<210> 1796

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 1796

```
gacgcgtggg atttcaaagc tgggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwtat tttattaact taagagtgtt cccatcccca tatttttagct 120
ataggaaaat tgtgctacccc ctgattcata tggaaattaaa aaaaaaatac atcccccttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtgggtctgaa 240
atagtcaaaa gtagagttgg tattaaatgt tccaatgaca tttattttta atacttaaaa 300
aatcatgtac ttgaaatat gtcaaagcaa ctctctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcatcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggatttttgt tttagatctg catatttctt gtacatatgc atgcaaataa aagaagggag 540
tttgtagctg tgccmtttct cccttcagtt gctgggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggg ggcactttgc tgaatgtgaa ctgtgccttg caatggaaag attgaaaagt 720
attatgttta ttataacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata tatttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat ctccaccacc ttctactggg cagtctttca tcacttaaaa aaaaaaatc 1080
acacatcatt gtgggtttttt tcccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcatcaact tctctgttat ttcttttaaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggg 1260
attcatc 1267
```

<210> 1797

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 1797

1124

```

ggtcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgactgt ttggagctgt gaggaaaaaa aaaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagaggggc cattttgggc 300
tctagattaa ggactttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463

```

<210> 1798

<211> 891

<212> DNA

<213> Homo sapiens

<400> 1798

```

cacttcttgg ctaaattatt atatcaaata tattcaaatac atattcttaa actcatcgag 60
ccatttgaac aaaaattatt tttgttttagc ttcattgagta tctttggaaa ataatttggt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccatcttctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagttct aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggatggaa aagggtggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tcaactgactc gtgtgttatc 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aatgggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaatt gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaactcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatattttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

```

<210> 1799

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

1125

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1799
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgcct ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtgggt caagaaattc tgttttcctg tagcaaatta 180
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg 434

<210> 1800
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1800
ctgttctgat atgctatccc tatttcatag tttaaatttaa aaccaaggaa ataaagtcct 60
gtattagttt ttttcttcct tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagcct gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt tttagtaaat ctttaatacag aggaaggga atttcaaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtcctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaag tgggtcccaa 449

<210> 1801
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>

1126

<221> misc feature
 <222> (619)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (655)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (658)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (668)
 <223> n equals a,t,g, or c

<400> 1801
 ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60
 tccactcaaa tatacacagc taggctaaaa aaagagattc catttttggc tggcaagatg 120
 tttgggcatac agtaatatc ccatatcata cattgttata atgtccctga tagtatttaa 180
 agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaaggraa 240
 aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300
 attatttttg cagtatagtg gtatctattc aattttgaga aactataact gcttcacaaa 360
 cacttacatc aagctaataca gtatttgagc catccataaa cagactatgt agaaaaagcca 420
 aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480
 gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatgggttt 540
 gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaatgcag atcaaaaata 600
 cagtactgac aagatgcang aaccykggt ttatgtgaaa tctctgtata ccaanaang 660
 gcccgacntt tttttcttat tattaattgg gggtt 695

<210> 1802
 <211> 910
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (40)
 <223> n equals a,t,g, or c

<400> 1802
 gctttctcca gctctgagga caataagcgt ggaaagcgtn tccgcacaaa ttccagaagc 60
 actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

1127

```

ccagtgttaa  tegactgtcc  ccacccaaac  tgcaacaaaa  agtacaagca  cattaacggc  180
ctgaggtacc  accaggctca  tgcacactta  gaccagaaaa  acaagctgga  gttecgagcct  240
gacagtgagg  acaagatctc  ggactgtgag  gaaggattga  gtaatgtggc  acttgaatgc  300
agtgaagcaa  gcacaagtgt  atctgcttat  gaccagttga  aggcaccggc  atyccctggg  360
gctggaaaac  cacctgggac  cccaaaggga  aagagagagc  tgatgagcaa  tggcccagggt  420
tccattattg  gtgctaaass  tgggaagaat  tctggcaaaa  agaagggcct  taacaatgaa  480
ctgaacaacc  ttccagtaat  ctccaacatg  acggctgcgt  tagacagttg  ctcggcagca  540
gacggcagtt  tggctgctga  gatgcctaaa  ctggaagcag  aaggattaat  tgacaagaaa  600
aathtagtag  ataaagaaaa  gggcaaaaaa  gctaacaact  gcaaaacgga  caaaaacctc  660
tctaaactga  aaagtgtccc  gccatttgcc  cctgccccag  cccccactcc  cccgcagcta  720
atcgctatac  ccaactgcaac  ctttacaacg  accaccactg  ggacaatacc  cggactgccc  780
tccctcacia  caactgttgt  tcaggctaca  ccaaagagtc  ctccgttaaa  acccattcaa  840
ccaaagccca  caattatggg  agagcccatc  accgtgaacc  cagctctggg  gtcactcaaa  900
gacaaaaaga                                     910

```

<210> 1803

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1803

```

catttactct  gtgtgagctc  agcagaattg  aattccaact  tggatatagg  tgtccatggg  60
gttctactta  ccctgggttc  cgccttcttc  cttgcctggg  ggcccttcat  gacatcataa  120
ttttgatctt  cttttgttgg  atactctgat  cttgttcaca  gagaaacata  agcctaaata  180
tatgggtggg  attttttgtg  ttgtggcaga  ctctaaatac  tgagtctact  cagcgttatt  240
ttgcaactag  agtggaggaa  tcctaaagtg  ttaaaagggc  tttgaagatt  gagtcagcat  300
ccttatcata  cagtgcagaa  gtctgaatta  cagagattat  gcagtgtatc  gtgggtcaacc  360
agtaaatttg  ttgtccgtaa  agtacgggtg  agaaatctga  gattacagag  attatgcagt  420
gtatcatggk  caaccagtac  attttttgtc  gttaacatcc  agagccactg  acagggaggg  480
tgaaaggcac  agagtgaatt  tttttgttcc  ttgggctttt  atcaagtttt  gaagggatag  540

```

<210> 1804

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1804

```

cccaacccgg  cactcacagc  cccgcagcgc  atccccgtcg  ccgcccagcc  tcccgacccc  60
ccatcgccgg  agctgcgccg  agagccccag  ggaggtgcca  tgccggacggg  tgtgtggtgg  120
tccacgtatg  gatcctggcc  ggctctgtgt  gcggtggccg  ggcgccccct  cgccttctcg  180
gacgcggggc  cccacgtgca  ctacggctgg  ggcgacccca  tccgcctgcg  c 231

```

<210> 1805

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

1128

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 1805

```
cggacggtgg gtgagagatc tggtaggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagacccgt ggggatctga tgttccagtt tgaggggtgg gcnatggtga cccagggcgg 120
agctgrtggt ctagttktag ggccctacag ctggagaccc ggggargagc tgacgttccc 180
wttcgagggc tgtgcagggt gagacctggg gaggatctga tgttggttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccgagg 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttgtgg agctggaaac 360
tcgaggagga actggtattg gngttcta 388
```

<210> 1806

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 1806

```
aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggagggtc 120
agastcctgc cctgagaaac agcccagtcc ttggagaatg aaaccctgag ggtcagttag 180
tggaggccctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284
```

<210> 1807

<211> 334

<212> DNA

<213> Homo sapiens

<400> 1807

```
gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt caggtgaatg tccacccttt tgatctagaa gcagactcac 120
aatTTTgttt gtttgGcaaa tcagcctctg agctcaactt ccttgtctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaagggt tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctgtt cttt 334
```

<210> 1808

<211> 921

<212> DNA

<213> Homo sapiens

<220>

1129

<221> misc feature
 <222> (486)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (812)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (845)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (876)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (888)
 <223> n equals a,t,g, or c

<400> 1808
 gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60
 ctatgttcaa gacccggttag gtttaaatgct ctgtagtagc tataatgtaa atgtaccatg 120
 aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgtc 180
 aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
 ttaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300
 acttaactgt cttgawtttt actgagatta gccmaaataca gagccaaaaa attccccctt 360
 gcactaattt gttaccctta cattgacatt aaaggtttgg catttaattc tccatcttga 420
 tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
 atgaanactc acttctgcca aaatagttat agctattaaa ttctctctgtg ataacttttt 540
 tgttttccta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
 agaatctgga tgtttagattt aaatagattt gaattttaaata tcaggctgtg ctgggttacca 660
 actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtttcct cttctgtaaa 720
 gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaaagc 780
 gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
 atgancctat tgcccttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
 gctgaagggc tgcttaatgc c 921

<210> 1809
 <211> 856
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (628)
 <223> n equals a,t,g, or c

1130

<220>
<221> misc feature
<222> (764)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (805)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (817)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (837)
<223> n equals a,t,g, or c

<400> 1809
aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60
cctggcctaaa cgttggtgaa agttataaacc tcctgcctgg gagaaaatat acatcaccta 120
aaatgaactt atggcaggtc taatcaaaaag gctaaataca atttcagaaa aggttctgat 180
actcttgttt ttgataaaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240
ctcttctgcc ttcactgagg gtttgggtta tacacctcta ctgaattgtg ttaataaactg 300
tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
atcatatttg ctaagaaatg tttctgctgt agttggattt gcccatattt atgtagggtg 420
ttttaatttt ttaaagtgtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480
aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaaact 660
gagatatcgg tgactccgta ttatgactcc attagtgcgc tgtgggatgg gtaggatttt 720
ctacttcttc tgtactttta cctggagact atttttacta agngccttta taatgggggt 780
taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
tggaacaaaa gggtac 856

<210> 1810
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (615)

1131

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 1810

```

tttaaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaaatt ttggctcttg tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataaggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaagtga ctaggaagta ctttgtaaaa ccaaacgggc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatgtt 360
ctgtttttta acatgtaaaag gttattttta tttgtttag attgtgtag catgctataa 420
atgttagaaa gttcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaattt 540
tttaaataat caaaatgtat ttattgaat tcatatcctg gaantatata tgtatcttat 600
taaactctta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggg 660
gn 662

```

<210> 1811

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaaagtg tttgggggttc ctgggttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcct cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaagggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgctaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcgttc tacagtttcc aaatctatct tggaccagtc aatttctctc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcaactgttg ccagaatgag 360
agggtttgat aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaaa tactatcttc 480
aatccttcag tccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaatac ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

```

<210> 1812

<211> 615

<212> DNA

<213> Homo sapiens

<220>

1132

<221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (87)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (578)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (583)
 <223> n equals a,t,g, or c

<400> 1812
 tgggaanaat ctcaactcact attttggcaa agctgggtacg cctgcaggta ccggtccgga 60
 attccccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
 agatggggctt tgactctggg gtcaaatgta gataattgga ctatggacag tggctggctg 180
 gtcaccaaca atgggtgtttg aaacaaacat ttagaggcca tatttgggct tataaaaaata 240
 gttctggggcc gtgcatgggtg gctcacacct gcaatcccag cactttggga ggctgaggac 300
 agcggatttc ttgagctcag gaggttgggag accagcctgg gcaacatggg gatacctgtc 360
 tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
 agaaaggcag tgcataatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
 ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
 attgggtgarg ctgtgtccaa gagcagtaag tggccaancc tgnccattact gttacccacc 600
 tggcagttaa cccgg 615

<210> 1813
 <211> 1205
 <212> DNA
 <213> Homo sapiens

<400> 1813
 atttatttgg ctcttgggag ctccactga aagtgtgaa atgtcgtact gacacttcag 60
 acttatagct acctagactc caagtaagat ttatctctga ctggaggggt tctcctatta 120
 aaaaccaaag agtgtagggg gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
 gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240
 gaggaagag aaattggacc agacaagttc agtggaaact ttctaattgga tccatcaact 300
 tcactctgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
 gggtcagggg ggattcctct gaaatcgag ctggaacatt tcgtaatagt tctgggtactg 420
 caccataga tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

1133

```

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttatcc catccacaaa ttgggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt ttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc ttgggtgatt gcttttgata acactgagtg gctaaaggtc ttctttcaca 780
tctttgcccc cctywaatcc tgaaggcaag gtctctggaa ttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggaggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggg tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttcattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggaacgcgt gggcggtctg gtggcttttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaaatgga gatgatgata atggtttctg taaggcctta tgggtgaagca 120
cctagctcag ggcctggaag gcaggtgtaa ccagtggttc agttgttata aacgaacact 180
aaccctcgcc ttgtcacctc atgaatccag atatgtagat ggagsgccaca aagctagcag 240
gagccaagct caggtgtgtc ctgctttaaa gccccatacc cctttctccg ggtgacaaac 300
acctgtgtctc gttctcttcc cttccccctct tcccccttgc tttggctaataaacaggccag 360

```

1134

```

ctgcctgcct cctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcattctgc aacaggcccc agccaggcct 480
gaagtcattc tcagaaggga tggatcctga ggtcgccatg cccagctggg caaacatgag 540
tctggattct tncgccgagt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

```

```

<210> 1815
<211> 565
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (526)
<223> n equals a,t,g, or c

```

```

<400> 1815
aaaatgatat actactattg cttgtatatt gtgggtatacg gtgtcagggtt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgttttaa aatattgaat 120
atttgcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actctttggt gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaagatg gagaaaagca cattaataag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgttttaga agtaatatatt taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatk gaaacattgt atgkcncctc taamctacct 540
attgactata ttaagccttt aatac 565

```

```

<210> 1816
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

```

```

<400> 1816
ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aacccaaggc 120
acctatcaaa aaatttttcaa ccaagtgatt ctgcatgaca agggccagca gtgctaggga 180
agaaacaaca ttctgttctt tggcccgtca gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

```

```

<210> 1817
<211> 1320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature

```

1135

<222> (1304)

<223> n equals a,t,g, or c

<400> 1817

```

gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaa 300
tacataaaaa ggatttaaat ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tcttttityy 600
ttttcagggg gaaagggcca ccttaaaaaa aaattatttt cagggacttt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatatctc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgcttg ttgtgttgct atgtgtattt 780
gaaaagtaata tctgcattcc ttttaagatg ttctgttaagt catatttgtc agttatacac 840
agtagtcttc cttttcccca cgttcagtg aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca cttacagtt tgcaaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtggcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gttaagtgat gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtgttttga gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320

```

<210> 1818

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (816)

<223> n equals a,t,g, or c

<400> 1818

```

acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaaccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcaccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggacct agagcagaag tggatgatgca 240
agatgttgcc cccaaccag atgaccgga agatttcctt gcgctgtctt gaaagagccc 300
tgtttccag caccgaggag ctgcactgca cacctgtggg gagacttttc cagctgggcc 360
aaggaggatca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggg gactgtgttt ttattgaagg aatttcaa atgaagaataat 540
gtttaaaaat tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccg gggctgtgcc 660
tttagcgta gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaatatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780

```

1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

<210> 1819

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 1819

gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttagggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcttaa aaattgaaaa tgtagcaga 180
gcattttgta gtgttacagg ctttggttaat ttttcattgt agtacctgtt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata 370

<210> 1820

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

1137

<400> 1820

```

ggaggagccc agcagagtc ctgggcagtc tgaccccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gacccagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt ccttcttttc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctgggggtgt ttggctggcc cttggggggt 360
gggcttntct cctgccancc tgccacagnt gcactattct ct 402

```

<210> 1821

<211> 348

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (306)

<223> n equals a,t,g, or c

<400> 1821

```

gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaagtga ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaaag 120
tggtgttact catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgctgt ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctgggt 300
taaaanagaa atgtattctc acaagtcggg aatcaagggt ttgacggg 348

```

<210> 1822

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

1138

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 1822

```

aattcggcac gaggaaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagagggttcc ctcttcccag aaggagcaac aggatttcca gatcagggca acactgggtga 420
aaatacccgga cagaattcta caaggantat tgtatcccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

<210> 1823

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1823

```

tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggctctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggatcatgttg 120
cagtttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgagggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgagggtatta ggacgaccat actgcctctg agctgaaaaac 420
attcaaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaaaactgc tgttgagccc cttgtcccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcgttg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggtttttagt 840
aaattcacia acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaat 940

```

<210> 1824

<211> 502

<212> DNA

<213> Homo sapiens

<220>

1139

<221> misc feature
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (73)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (163)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (309)
 <223> n equals a,t,g, or c

<400> 1824
 gtgctccacc gcggtgcgnc cgctctagaa ctagtggatc ccccgggcctt caggaattcg 60
 gcacgagcac ctncgcagcc ataccacagga gaaagtggta gcctgccccca cctgtggggg 120
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgncagacct cattggatca 180
 gcagcacttc cagtgttctc actgttccaa gagatttgcc acagagcggc tattgcggga 240
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgcct 300
 gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360
 tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataccca 420
 cagcgaggag ccagccctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480
 gctctatcaa gtcccattac cg 502

<210> 1825
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (38)
 <223> n equals a,t,g, or c

<400> 1825
 gagtgtgttc ctgtgggtgc ctcagctctt ctactttnaa tttaaccctt aaatatacag 60
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120
 tgagttaaatt ctagatcttt ggaggttgat ttagaaagaa cgggtactgtt aaattctgag 180
 tgtttttgtt tcagtggggt ggagttagta atagcttttc cttgtccaat aggaagtggg 240
 taaattgccca aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300
 aggaaaagctg tcgagtaacc ctggaattgg ggctgggtgt gattctgttt gctcttggct 360
 ggtgaggagg ctatgagttg gtatagccag tggcccagg atcctgaatg tgttgctaaa 420
 ccataactg ctttccatgg gctgttttta ggggccagg ttggaggaga tatggtgttg 480
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540
 gaggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

<210> 1826

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<400> 1826

tcctccaggt	gactctctcn	tcctggccag	naatagcccc	cagacttttt	ttaccccact	60
gggggtcaaag	tttcccatgg	accaaggaaa	gaancttgca	gcctttcttt	aaaagcttag	120
gccctggacc	ttggcaccag	catcactnct	cgctgtattc	tattcatcaa	aagcacttga	180
aaccaaccca	gatatgttca	atggggagca	tccatgtata	gccccaat	gagacaagct	240
actatccttt	aaaagacagg	acttgcaagt	gatgggaaag	aataaaaacc	cttccacagc	300
catgtctata	catattaatt	attattttca	tctctccccg	atatgtatat	gttagtttaa	360
trtggtgaat	aatataaaaac	cattttat	tttcaaaatt	gtagaattga	aagaaagggt	420
aataggaggc	catgctgaaa	aaaaaaa				447

<210> 1827

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1827

tttttgaatc	ttccttaagt	ttataaatat	ttatTTTTTT	aaagaagatg	ctgtgcctgt	60
gagaccatac	TTTTTTTTTT	TTTTTTTTTT	TTTTTTTTTT	ttttgggtgac	tgcaaaggac	120
agagaacctt	tccacttttg	ccatactggg	ttgctaagcc	ggagccattt	cagctcctgg	180
ctcctcaaga	taacggcgag	tccagtgcc	tcttgagaa	gctccagggg	cagggctgac	240
ttttctccta	caggaggaac	aatgtgggga	tctgagggat	gggagggaga	cttcccccta	300
gagtgggtgt	cctgctgggg	gctcatatcc	agggacccaa	aaggggggct	gtgtaggagg	360
ttccacattg	gaggggctct	ctctctcgca	gctgtcagag	ttggtcctgg	ctgtggcgtc	420
caaacagctt	gagggaaaaa	gatcctgtct	aaccacctca	tctactactc	aagttctttc	480

1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540
gtccaggttg aggggggagac agatctgtgg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttccttac 60
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120
ttagctcttt tagtcaatcc aagagattta agtgaccccc ccccccccggt gtttttttttg 180
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240
ctgccttaag tataaaatagt accttttgaa tayatttagt tcatcatttg agctgccttc 300
atactggttt cctcagcctt ccttcagcct gtaatatattt cagcccactg tttaccttgt 360
ctcaataaaaa ggtttctaata gccaaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60
aactttgttc aacatcaggg aattttatatt ggagaaaaat cctgcaaatg taatgaattt 120
ggaaaaacat tttttttcaa aaactacggc gtagaaaaca tgaatttata ttgaaatgtg 180
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagtct atgtaaatat 240
taaataattt acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300
agtgttgagt ataaaaaat ctataagtgt ttagattatt tgtaaataac tttaaaagga 360
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggctggt gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60
ccggtgacac gccatccta ttcttgagta gacagagcca tttccatcac tctcaggcct 120
ctgtgggtaa ttggagctga caagggtccca tgcatagcag atgagattag tcccagctgg 180
acgtttccca gaaatggtcc tggggtttcc agtaacctct caratrarat cacttgtcta 240
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360
tagagagtgg ggatttgtga gtggtttcag gttttgtttt tgtttttctt ctcttggcac 420
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagttc 480

1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
ggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttataaagt aacaactact 660
cgagaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaaa gttcattgtk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

<210> 1831

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1831

```

nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggtc atgtgtggca ttgagagggt 120
agcagtgacc agaacaccac aaggcccaca agatgttttg aatgagggaa catttaatgt 180
catttgttag gagatagaaa ccaaataata aaggacaagg accacgctca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgagggtca tcaggcctca gaaaacaatg tacacataat ctcgggctgt 360
gaacaagaga aaggagggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgatagggt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

<210> 1832

<211> 3266

<212> DNA

<213> Homo sapiens

<400> 1832

```

ggaccagcta agggagggcaa gaagaagaag gatcctaattg ctcccaaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccggcctc 120
tctattggag acgtggcaaaa aaagctgggt gagatgtgga ataattttaa tgacagtga 180
aagcagcctt acatcactaa ggcggcaaaag ctgaaggaga agtatgagaa ggatgttgct 240
gactataaagt cgaaaaggaaa gtttgatggt gcaaaagggtc ctgctaaaagt tgcccggaaa 300
aagggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaaa gaaactgttt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt ggtttacatg 540
aagtggccat ggtgtcttgg agcacctga aactgtatca aagttgtaca tatttccaaa 600
cattttttaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc attttaaagat gtttctggca ttttcttttt atttgtaagg tgggtggtaac 720
tatggttatt ggctagaaat cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagagggtg tagctcaggg cgtgcactgt gaggctggac ctggtgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```

1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggt agtttttaaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcaactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
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taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
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agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaagggt tcagcagcct tccaaggat aggaagggtg gtgattagga 1500
ctgaggctat ctaggtttta cttttgtccc acctccacc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
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cattcactgg aaatgtagat tgatgttcaa tgttaaacctg gaaggagctt ggtttgtgtg 1980
tcagtgggta tattagtggg tagtgtaaca ttttatccag gttgggggtg ggggagatgg 2040
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gtccattagc tggggcagca agatcactac tcaacgtttt cacactgtgg caagattgct 2880
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gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

<210> 1833

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (848)

<223> n equals a,t,g, or c

<400> 1833

1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatatcttc tttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatgtgag gtatggataa atctttcaca 240
tattttttat tgctcttttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagtt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaaggagg gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaagggaa tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaaaaaa aaaaaaag                                     858

```

<210> 1834

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<400> 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttgtt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tcctgtgttg 180
gcatggaata actagatggg tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gatttggtaac tgctattttc aacagcagtc cccttan 297

```

<210> 1835

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1237)

<223> n equals a,t,g, or c

<400> 1835

```

acaagatggc caaaggtgct aaagagattg atatcgcagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt cccagtgag 120

```

1145

```

cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg cccacttgag 240
gctggcactc ccttgacctc acctttgcaa agttacagat gcaccccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggg 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtccccggacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gcaactgcgt 600
gagcctggaa ggggaagtga aaaccagccg accggccctg cccctcttcc cgggatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccctt accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgcag aggcagctgt gtgggctgca 840
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tctccatct tagatagatg gtactctcca aaggccctac cagaggggaa acggccctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

```

<210> 1836

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1836

```

cagaatttac ccctgacgcg gcggcgggcg acgggaagct gtgtgtgctt aggtcgtggg 60
ggccccgggt gtggtggggt ccgggcgggc tcgcgtcacc ctgcccccg cgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgcccc ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggctc ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc ccccagatat ccccggcagc cgcaacctgc actggggcga gaagagcccc 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcgggc gcggcagtggt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattgtt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccattttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac ctagagccct gtggaaagga 600
atgggaagta catttattgt ccaggagatc acacttgagc cagaaggcat aattagtgaa 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

```

<210> 1837

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

1146

<221> misc feature
 <222> (114)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (352)
 <223> n equals a,t,g, or c

<400> 1837
 aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60
 ggctgcggct cgaggccacg cccccgtgcc cagggcggggg ttcgggggacc ggnntgccgg 120
 cctcccttcc cctatggact cctcgacccc cctcctaccc ctccccctgc gcgctcgcgg 180
 acctcgctgg agccgggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240
 tgcagcactg agacacgagc cccctccccc agcccgtcac ccggggccgg ggcgaggggc 300
 ccatttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360
 cccacccac cccacgcaca ttcttggtcc ggtcgggtct ggcttggggg cccctttct 420
 ctgtttccct cgtttgtctc tatcccgccc tcttgctgc tctctgtagt gcctgtcttt 480
 ccctatttgc ctctccttcc tctctgtcct gtctctcttt gtccctcggc cctccctggg 540
 tttgtctagt ctccctgtct ctcttgattt cttctcttta ctcatctcc cgggcagggtc 600
 ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaacccaaa 660
 tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaaactt ttttctgtgt 720
 ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780
 attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840
 cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900
 caaaaataaa atgatcataa tagct 925

<210> 1838
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (421)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (509)
 <223> n equals a,t,g, or c

<400> 1838
 ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctgagagctt ttagagcatc 60
 tcaaacctac ttattggttt tctgcccacc ttcattgtgaa gtttgccgcc ttgatgcagc 120
 atcaggcaaa ggataaagga cagacagcca gagcaaccaa attttttagcc ttggacaaat 180

1147

```

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgcaac agaagaagg atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

```

<210> 1839

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtag ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatatata tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaaatt ctaackgcaa gctagcttca gaacctgtga gaaccccacc 300
ccaccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

```

<210> 1840

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 1840

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ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggtatcc cccgggctgc aggaattcgg cagagccca gctcaccgc tgctagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgarccag cggctcccag gatgtgcant ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc ggggtggtcgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagagggg caccttgatg tgctggatga taaaaacagg agcaaagtga tgaagtgtctg 420

```

1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480
 atgtagcctg aagctctcat tttgtcaatc gagggg 515

<210> 1841

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1841

ccacgcgtcc gaggcttcgc cggcggtcccg acccgaggcc ggacccgagg ccagtcccgcc 60
 cgctgcgcag ccgaagccag tgcggggcct gagagggagc cgcgccccgg gggccccgcc 120
 gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180
 accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240
 gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300
 atccgatcca aaattgttcg tgcctttcttc gacaacagga acctgcgcaa gggaccagc 360
 ggcttggtcg atgagatcaa tttcgaggac ttcttgacca tcatgtccta cttccggccc 420
 atcgacacca ccatggacga ggaacagggtg gagctgtccc ggaaggagaa gctgagattt 480
 ctgttccaca tgtacgactc ggacagcgac ggccgcatca ctctggaaga atatcgaaat 540
 gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600
 gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660
 gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720
 accaagatgc acgtccgctt ccttaacatg gaaaccatgg ccctctgcca ctgaccacc 780
 gccacctccg cggagaaact gcacttttgc atggggccgc ctcccccgct agctggagca 840
 gcccagggcc ggcggacagc ctcttccctgc agcgccggta catagccaag gctcgtctgc 900
 gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960
 aaaaaaaaaa ggtttgttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
 angggggg 1027

<210> 1842

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggcc 60
 aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120
 gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180
 gtgacacatc aaggagggat gtggttgacg caggctaaag gccataggaa gggaggagct 240
 ggagactcca gggtcgcagc caccttggtg ggctgggggtg gggcaggagg ccgcagcaac 300
 agagacgggg tgggattgaa gaagtctttt ttttttctnt ttttttaaca aaagaaatag 360
 aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

<210> 1843

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 1843

```

gcctatttga atggaatcct gctcttttga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggta 120
tgacgggtcca gtgaccttgg atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gcccacatt cacttggaag aactctaaac ttcctaataa 300
tattacaggc cggggccctc agatcctgat gattgcagtc ttcaccctca ctggagctgt 360
ggtgctgtcc tgtcgtcgct ctctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atggtcccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt ttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550

```

<210> 1844

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1844

```

caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtggtg 60
tccagtcccta gcccctcag tgcttgctgt tcacacttaa gcaagtraag gcctgaaggt 120
gcccagctgt gccctcaggg gaaacttaag tcacccgccc gtgcagcact tggcccttgt 180
cgggcagtga gagtggagct gcccgcgag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgtcctt gcatatctta atgatttgtc cacagaaaca 300
cgggttgtc ttcctctgcc cctcct                                     326

```

<210> 1845

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

1150

<220>
 <221> misc feature
 <222> (532)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (570)
 <223> n equals a,t,g, or c

<400> 1845
 cgaaattaga aaaggtgatg aatttggagg aaggggaatt ggctgcacct gtttctgata 60
 tgttcagaag cttaatgaat ataataattct aatttaaata aactgtttga ttgagaaaag 120
 aggtagccac attattgttt agaaatgata gactgttatt gacttttggg gtagctggga 180
 agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
 ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
 tttatttttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
 gcccttttca tgccttargt gctgatrage attccgttta tcataagcta tgtcattagt 420
 ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcac catggatata 480
 tagctagggtg ggggccagat gatttgaaaa ttaacatatt gttatttagg gngccttggt 540
 tttcatttta aggtggtttc nggcacctn gtttgaa 577

<210> 1846
 <211> 732
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (190)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (194)
 <223> n equals a,t,g, or c

<400> 1846
 cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaacca 60
 ttcacaactt tcaactcttc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
 gccctgtgc gtgatcctcc ttccgcagc caccarcca tggttgggtg ggtgaggcca 180
 gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsetg gcatcggagc 240
 ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtcct 300
 gctgtcactg gatttcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360
 aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420

1151

```

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaagggtg ccatacagcag gaggcactgt gaagcaccat cctgtcgtg tccttggtcca 600
ttcctagcaa gttaatcgtg tcttggttaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gatttttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc 732

```

<210> 1847

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 1847

```

gcgggctctg agtgctcttk cccgtccggc cccagccgcg gcccggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgctcc gtccccagcc gcggctcggg aatccaccgc 120
aagagtggct ataaacgtcc gcgcctccat tgcgctctcc tcttactta ggacactggg 180
cctcccacgc ctgacaccga cgtcgccagg accgcggggg tgggggaact tggctgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300
tttttttttt ttttna 316

```

<210> 1848

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

1152

<221> misc feature
 <222> (572)
 <223> n equals a,t,g, or c

<400> 1848

```
cgagcagtag  cgngaagnca  gacgnacgta  tagggaaagc  tggtagcct  gcaggtaccg  60
gtccggaatt  cccgggtcga  cccacgcgtc  cgggagaagt  gctcttttct  acttgtgggg  120
tctcccattg  gaaacataat  cctatagtc  cagaaggatt  cagtccccag  tggctttccc  180
atccaaagag  aaagagtttg  agtttcttaa  ctctgctgtt  ctgccactta  ctcccactag  240
acaaccaggg  acaaggtgca  acatggaagt  gtttgactta  agtaggagca  gaggagctgc  300
atctaattct  atcatacctg  gaacttgaca  cacttaagca  aatgccttcc  catccctacc  360
tgccagatgc  ccccaactca  atgaagttgg  atgtctcacc  agcttgatac  cctttgaatt  420
ttcagtcaga  cattctggag  ttctagcatc  ctgtacctag  gaccttcttc  tgtgtcactc  480
ttggcctcct  aaactctaag  aaaataacta  tattctggag  cttgggcagt  gtgttttgca  540
taatccagca  atctcctcat  gacatgcatg  tnttgatagt  cctgaaacat  tcattgagag  600
ggtaaatgca  gttgacctag  aatgaccaat  accaaacaga  attttaagaa  caggtggcca  660
actcctatgg  agcttactca  catattacta  ttcttttaag  aacggaaaag  taaaatt     717
```

<210> 1849
 <211> 363
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
 <222> (348)
 <223> n equals a,t,g, or c

<400> 1849

```
gggacgagga  agccaaggac  gaaaaggcag  agcccaacag  ggacaaatca  gttgggcctc  60
tccccaggc  ggacccggag  gtttcagaca  ttgaatccag  gattgcagcc  ctgagggccg  120
cagggctcac  ggtgaagccc  tcgggaaagc  cccggaggaa  gtcaaacctc  ccggctcttt  180
atgaggggac  tctgagcctc  tgctctgagg  atctgaaaca  cacacaccct  gacagtgtaa  240
aatccaaaag  gagccgcctg  aatcatgttg  cctcatgttg  aaatcttagt  ccgccgccac  300
gtgaagatgg  atgtgactag  aacggagggc  gccggaagct  yacatyanar  garctgctca  360
cgt                                                363
```

<210> 1850
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc feature
 <222> (507)
 <223> n equals a,t,g, or c

<400> 1850

```
gtaaaaatga  gacgaccacc  tctcggatta  aaaaaaaaaa  gtgccagagt  tctagggttc  60
taagtgatgt  ccaggaagga  ggaggaataa  tatttatgga  gcatatatta  tggaacacag  120
tgagtatagt  acctgccttt  aaatgaatac  tgttggtttt  ttaggacagt  tgcttttttt  180
```

1153

```

tcttttttct tcagctgtgt gcagttgatt aacttgtaga gaggctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatcct ttcaccttat cctccagagt agctgggact acagtcgcgt 420
gtcaacatgc ctggctaatt ttagttttct aattttttta gagttgggat ctcaactatgt 480
tgcttagact ggtcttgaac tcctgggctc atgccatcct cttgcctcag ctggta 536

```

<210> 1851

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1851

```

gcttgacctg cggcagtgca gcccttggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgctt gaccacagt 120
cttctggccc tgctcgtctg cctaggggag ctggctcgac cctaccccat caaacccgag 180
gtccccggcg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcgggat gggaaaagag acggcccgga cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgccccgtca gtcgcggtaa aagcgcccg 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggaccct gaggctctgg gagnctgcca acagccagtc atttga 536

```

<210> 1852

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

1154

<223> n equals a,t,g, or c

<400> 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctctctctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgctcaaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc tattttggca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggaccaaa 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaaggtgg cccaaagagg 1020
accaccccca ctgttcagg gattccagg ggaaccgggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcac gccttctagc 1140
tgtggctcca gccattgaa catcacagat acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tgggtggagtt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaagtg gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatggtgt ttttacacta caaagaagtc ccccatgtgg atatttctta 1860
tactaattgt atcataaagc cgttttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaa 2005

```

<210> 1853

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1853

```

gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatgggtgga ggcggaaaaga 60
aagatcccgag gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct ttttgttttg gcaatgaaaa gagcatggac tttgggggtg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta ggggtttgtt gttatgagca acctaaacct 300
actctggcta acttaaacat aaaaggaatc tattgggatc tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaagagg cagcagctga tagtatcttc 420

```

1155

```

agagtgcctgc tgtcagaata aacctacaag ggckggttttc tctccttgct ccaaccagat 480
caaggttcag attcctgaga aagaacctcc gtggtttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc 566

```

<210> 1854

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 1854

```

gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gcccccgac ctcaaattccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgttggc tctgacgagg cacagcgttt cttgcaagaa tgggaggggt ttaagtgcct 180
aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaaa 240
gcctanaaga 250

```

<210> 1855

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<400> 1855

```

ggctaaataa gctatcgggc ccataccccg aaaatgttgg ttataccctt cccgtactaa 60
ttaatccccct ggcccaacct gtcacttact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gcaactgattt tttacctgag taggcctaga aataaacatg ctactcttta 180
ttccagttct aacccaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataactcttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcattaata atcataatgg 360
ctatagcaat aaaactagga atagccccct ttcacttctg agtcccagag gttacccaag 420
gcaccctctc gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcataacca aatctctccc tactaaacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggcagttga ggtggattaa accaaacca gctacgcaa atcttagcat 600
actcctcaat taccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa ttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccacgacc ctactactat ctgcacctg aaacaagcta acatgactaa 780
cacccttaat tccatccacc ctctctccc taggaggcct gccccgcta accggctttt 840

```

1156

```

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct actttctacct acgcctaatac tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
cttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagtggag                                     1159

```

<210> 1856

<211> 936

<212> DNA

<213> Homo sapiens

<400> 1856

```

ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtcaggag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caagggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaactg ccacctaacc atgaggactt ggccaaagt gcaaagattg gcaactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttacc 360
gatatcaggt tcttctttag actgggctta tgacctgggc atcaaacaca catttgcctt 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccgga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataaag caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gcttctatct cacctgaatc cttctcttgc 660
tcattttaagt cccatgttac tgctgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaaactacc tttctttgct ccaagtgaag tttggacca 780
gcagaaagca ttatttttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcataatc tatgtgctaa tacaataaaa 900
taaaatgcac ttaatgcctt aaaaaaaaaa aaaaaa                                     936

```

<210> 1857

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1857

```

gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataattt tacatgttta cttagtgtga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattg cagaaaggca tacgatgcac attatgctgt 180
tttaaagggtt ttaccaccct tgtaaaaact ataactctta atggttttat ttgctgttac 240
acaaacaaca ctacataaaa catttttttc taaatggtag aaatttataa actatcattt 300
ttcactttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcattttattt atgatattga aaatttctac agtaaacact caaaaccaag caaaaaacat 420
ttgtaagata cacggatatc atttgaggca acgggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

```

<210> 1858

<211> 1730

<212> DNA

<213> Homo sapiens

1157

<400> 1858

```
gtttctacctc ggtagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
agtggccttc ctgtgggacc tgggctccgg gtccacacgc ttggagtttc cagactttcc 120
cattgatgac aacagatggc acagtatcca tgtagccaga ttggaaaca ttggttccact 180
gagtgtaaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatccccctgg 240
gacagctaata gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggc tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc ctttttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgacccag ataactatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggacccatta 660
cccttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgcta gcagttatcg atgcctataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
atgtgggtgg attaccaagg tcaagagttg taaggagagg tgtcaccacc aaaagctttg 900
tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
atggagtgag aaaaggctgt ttactggagc ccatccggag tgtagcttc ctgaaaggcg 1020
gtacattga attgccacc aaatctttgt caccagaatc agaatggctg gtaacatttg 1080
ccaccacgaa cagcagtggc atcatcctgg ctgccctcgg cgggggatgt ggagaagcgg 1140
ggtgatcgtg aggaagcaca cgtgccctts ttttccgtca tgctgatcgg aggcaacatt 1200
gaggtacatg tcaatcctgr ggrtgggaca ggcytgagaa wagctctcct gcacgctccc 1260
acgggtacct gcagtgatgg acaagcgcac tccatctcct tggtcaggaa tcggagggtac 1320
ttgcacgcgg ccaggcagtg tgtaatgaag gtgtgggtgag ctgagaggga atgtgggagg 1380
aaccttgccg tggtgccctg grcggctaga tgactggggc catcgccatc cagacgattc 1440
tagaaccttg ctaggattct ttcctgggaa ccagtttcat ctgctttgta ataagatact 1500
tgtagaattt ttataattaa acaacttttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagagggttaa 1730
```

<210> 1859

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

1158

<400> 1859

```

ctcagagtag ctggatTTTT ctaaagcaat tgcagaacac ctgctTTTTc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttatc 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gaccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggtagga gtattcagtc cttgacatyt 360
cccaaagtgt tgattccggg atgccaaagg cctttggcca ggtaatgcag tgtytacagg 420
ytgaggttga catgcacccc caccctctga gaaaaagatc ctcagacaaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggcttcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtgt tgcgtgcttc 720
ttcagaggga cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaatctt 780
tcttttctaa aattgatgct atgaaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890

```

<210> 1860

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 1860

```

aaattaaccc tcactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagtg gntcccccg gctgcaggaa ttccggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggtt tttatcaaaa actgaaacta ttctgccacc agaactctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480

```

1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540
ttacaagaaa caaaaaaa 558

<210> 1861
<211> 843
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (682)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (688)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (788)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (807)
<223> n equals a,t,g, or c

<400> 1861
acnaacnctt actaaaggga acaaaagntg gaagctccac cgcggtgtng accgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagc agggtcaggg ccagagccag 120

1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatgggtcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctgtt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat attttttccc agggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttatnttcc ttctggattt taaacaaggg atctatttta 840
aat 843

```

<210> 1862

<211> 264

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (121)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<400> 1862

```

gggtgaaggc catttgggca agccagggcg gctgcggagg cgatctccct gacccagggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntcccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgcccg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggc cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga 264

```

<210> 1863

<211> 1882

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1863

```

ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttgttctc ccctaaccct tcagaccctt 120
acttcagcac cctggagaac agcatcgta gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tcctactccc ggaaccctg gtctgcgctc ttcttcatcg 240

```

1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggetgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtcctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgcctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccaggagag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtgggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggatttaa tatccttggtg aagtccaagg 660
ccttccagta tttcatgtac ttggtggtgg cagtcaacgg ggtctggatc ctctgggaga 720
catttatgct gaaagggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
ttctaactat ctatgggggtg gagctgttcc tgaaggttgc cggcctgggc cctgtggagt 840
acttgtcttc cggatggaac ttgtttgact tctccgtgac agtgttcgcc ttctgggac 900
tgctggcgct ggccctcaac atggagccct tctatttcat cgtggctctg cgccccctcc 960
agctgctgag gttgtttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
agctgctgcc ccggatggcc agcctgggcc tcaccctgct catcttttac tactccttcg 1080
ccatcgtggg catggagttc ttctgcggga tcgtcttccc caactgctgc aacacgagta 1140
cagtggcaga tgccctaccg tggcgcaacc acaccgtggg caacaggacc gtgggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tggtagatca tcatgggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtggtg atgacgatca 1380
ttgtcgcctt tatcctcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcgggaagt tgatggtggc atcacccctt agaaggaaat ctccaaagaa gagctggttg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggctgctgg 1560
agacctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtatg 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgca gcccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgccccgaa 1800
agccgtctct tctatgcaat aacacaaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaagggggg gg                                     1882

```

<210> 1864

<211> 1926

<212> DNA

<213> Homo sapiens

<400> 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgtctccgt tgtagaagg acaataaagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat cccagccag gagggcgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagtga aaaatatgaa aagcagtatc gaggaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
atthttggcg atthtttcaac cttaaccaa ctgttcagag cacgattgaa gacataaaaag 660
tgaaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagattttta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgctacttc ttggaaaacca 900
gcaaacgtct cgccaaccag atcccattta taattcagta ttttatgctc cgagagaatg 960

```


1162

```

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagtga accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtggttgtt ttcttgtgcg tactcattca ttctaagggg agtcggtgca 1200
ggatgccgct tctgcttttg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
ccagctcttc cctgaccttc acgaagggat ggctctccag tccttgggtc ccgtagcaca 1380
cagttacagt gtcctaagat actgctatca ttcttgccta atttgtattt gtattccctt 1440
ccccctacaa gattatgaga ccccgagagg gggaagggtctg ggtcaaattc ttcttttgta 1500
tgtccagtct cctgcacagc acctgcagca ttgtaactgc ttaataaatg acatctcact 1560
gaacgaatga gtgctgtgta agtgatggag atacctgagg ctattgctca agcccaggcc 1620
ttggacattt agtgactgtt agccggtccc ttccagatcc agtggccatg cccctgctt 1680
cccatgggtc actgtcattg tgtttcccag cctctccact ccccgccag aaaggagcct 1740
gagtgaattt cttttcttct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaagaa actttttaaa aaaaaagagt acttctagag 1860
cggccggggg cccatcggat ttccaaccg ggtgggggta ccaggttaag tggtaaccca 1920
aattcg 1926

```

<210> 1865

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1865

```

ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgttagca aagagtatct gtgaggatga tactcttggg attgcagggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattagggtg gcagtctttg ggctggaata tcccaactga tttctggttt 300
tattttctaa aattgttgcc ttggacctt cctattttta taaccagaca cagaaaaatca 360
ataaaaagttt gagcccagtt tatagactat tgccagcagt agttcagggtt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaaagggt gacttagcag gccttagtga ttgcttagca 540
agattaggga acagaaca 558

```

<210> 1866

<211> 349

<212> DNA

<213> Homo sapiens

<220>

1163

<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<400> 1866
aattcggcac aggcttgatc ttcttctggg ggtagggag aaatctgtct cctatttget 60
ggttctctta ccaaaatgct ttataaaga atgaccggg gacatttatt caccaaagga 120
attaatatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180
cctcrattga gtttttttatg acaatatttt aacatacctc tctctctaca tatgaaatac 240
catgaaagtg aractcaaaa tgacacagag ggaaagttag aggggaaaatg gaantaattt 300
cgggtacatct ttatgggttt taaaggagta ggaaaataag gtgggaaata 349

<210> 1867
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<400> 1867
gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttctttaa 60
acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120
cttttgtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180
catcaaaatg gaatgacaca aggaaagaac catttttgcaa aaggaaacaa gacaagctgc 240
cgtcagctag atacgttttcg attgttcagg aaagtctgta caggaacttt gattggcatc 300
ctgcttgtct accttctttc ctacttttaa gtggtagctc tgatcattgt tgtcagtgtt 360
ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420
cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480
cgagcggccc gnaaatttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868
<211> 853
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (816)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (839)

1164

<223> n equals a,t,g, or c

<400> 1868

```

cgccaggcca ggcacctagg ccaggggagc ggagacctcg tgggagcggg caggggggacc 60
tttccctctt cccgggcttc caccaggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcggga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaaaat ggacaaaacc accgtgttgg aaaaggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct aggggaactgc taatgccctc 540
cagatgtgac tcccgctctt tccctcttct tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgccctgkgyy ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttt ttttttaggc cagaggttnt 840
tcccagggac aca 853

```

<210> 1869

<211> 1246

<212> DNA

<213> Homo sapiens

<400> 1869

```

agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cagcagaggc agaggcccag 120
acagaagggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggc ttcctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacattttctg tatttttagaa gtcattggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tccatctctg ctgcaaggaa 480
aaatggactt ctgattaggt tttacaattg tgaactttta tgtaaagtgt aagtgtcttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttgatctt caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cacttttatt ttgaagttta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctccacta gtgacttttag 900
tattttgtta tgtgatgttt tttaggtgca ccttttctca tgactccttt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat tttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tgggtctaagg ggtagtattt gtatcactta 1140
tggaatataa tctcagggaa attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

```

<210> 1870

<211> 133

<212> DNA

<213> Homo sapiens

1165

<400> 1870

```
ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133
```

<210> 1871

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<400> 1871

```
gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggctccttt gtagtttaat 120
agttatttaa aatcagggtg agcattttta tgtttcagta taacacccaaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaatggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422
```

<210> 1872

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1872

```
gatttttttt ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcaact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttaccctt ccgtgaggca gatccctctg aggtggccat cactgtggtg 180
gccagcagtg cttccagact cctgcagtc cgggttcctt tctgaaatgg atgtgtattt 240
```

1166

```

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtggg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttggtt gggggtagca ttttaaaaga 480
ttattatcat agtcttttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga 629

```

<210> 1873

<211> 1407

<212> DNA

<213> Homo sapiens

<400> 1873

```

ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggttagca cctgcccttc 120
tcacccatgg cccaccacagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgg aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttccct ctcatttttg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgcct gaagaatgga tcccaacttc tccccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccacgt ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720
gctggccccct tttcctctgg ccccccctct ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
ccacccctct ttattctgga gcatatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgaggggaa aagaggaggg acctggaaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140
tagaaatgcw ccattctaagg gaaatctttt gtcagggtgtt ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtcctca gtggtgcccc ctgcctgcct cccctctgcc ctatgccaaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

```

<210> 1874

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1167

<222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (706)

<223> n equals a,t,g, or c

<400> 1874

```

ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaatttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acaggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtccctt tatttacagt tgaggaaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaaggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

```

<210> 1875

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<400> 1875

```

gcaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagttc 120
atccttggtta taaaaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

```

<210> 1876

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1876

```

gcgggttcct tctacttctt ttcttttctt tctggtgacc ctggcagtggt aaaactgccca 60

```

1168

```

cctcttttagg tttctgtaga gccaaaaata atctccta atgtcttctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gccctgctt ttcctaggat gtctctccct aacaaaggag tggggctttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gacccctcag atagtgcag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

```

<210> 1877

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1877

```

ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
agggaaggag tctgccagct ctccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttgaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctctttaac atctgcta ataaagtgc aaatttttct 240
agaaaatggc aaagatgact tccagggtga tattgctctc ttacgggtgtt ggggatgcca 300
gaacaccact tggttttatt tttctaagt catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggccctct ctctaccttt gtggggggaa 420
ggaggcaaga gagaaattcc ttcttcccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccg gagtgatgtg 540
gtgggagggg agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaaa aaaaaactcg ngggggggcc cggtaaccca attcgcccta 650

```

<210> 1878

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

1169

<400> 1878

```

ctcagngccc gcccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagagggtc ctgggtttgga 120
gaatggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc ggggaacagac 180
acgtgctgct ctccttccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtccgg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata taccctcacc tcaccacctt gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcacgcac ttttcttttc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc tttcgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag gggggggccc gtaccaaat 720
c 721

```

<210> 1879

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1879

```

ctcgccctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```


1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccacagc gaagggaagc aatcctgacc 420
ccagcacatc actacccaag acttttagatt taaggacata cgctccatta gcantccggt 480
atttcagaga acttttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggg ctaa                                     564

```

<210> 1880

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaaac agctaattgc kggytatattc 120
tcaaagtaag tatttttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt ttttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtgaac aaaaaaaa                277

```

<210> 1881

<211> 2522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2517)

<223> n equals a,t,g, or c

<400> 1881

```

gccggccag cgcccgccac cggccmgcgg tgccctccaga ggacctgggc agacaagatg 60
tgaaatggag aagtatctga caccctcagc tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttacttgaca ctgaaggggtt 180
accttacagt atcaacatga acgtcttcct ccctgacatc actcacctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccattttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagaggtg aacaatattt tcatcaaaca 420
agaacttcct acaccagatc ttcattcttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaaac aattccaggg catgccccct tgcacataca caatgccaag 660

```

1171

```

tcagtttctt ccacaacagg ccacttactt tcccccgta ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaattttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccaccc tgccagttaa 840
ctcacaaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aactgggtga aaagccatac aagtgtacct gggaaggctg 1020
cgactggagg ttgcgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggaccaga actgagcact gcccggtgta cccgttccag gtcccctggg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaaac aacaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttgggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
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ggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatatatt gctattcaaa attttgtaaa tatgcaaatc agctttatag 1740
gtttattaca agtttttttag gattcttttg gggaaagagtc ataattcttt tgaaaaatac 1800
catgaatata cttacagtta ggatttgtgg taaggtagct ctcaacatta ccaaaatcat 1860
ttcttttagag ggaaggaata atcattcaaa tgaactttta aaaagcaa at tcatgcact 1920
gattaaaaata ggattatttt aartacaaaa ggcattttat atgaattata aactgaagag 1980
cttaaaagata gttacaaaat acaaaagtgc aacctcttac aataagctaa acgcaatgtc 2040
attttttaaaa agaaggactt aggggtgtcgt tttcacatat gacaatgttg cttttatgat 2100
gcagtttcaa gtacaaaaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
ctcgtgcagt actgttggtt aaatgacaat ttatgtggat tttgcatgta atacacagtg 2220
agacacagta attttatcta aattacagtg cagtttagtt aatctattaa tactgactca 2280
gtgtctgcct ttaaatataa atgakatgtt gaaaacttaa ggaagcaa at gctacatata 2340
tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaaa 2520
tt
2522

```

<210> 1882

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

1172

<223> n equals a,t,g, or c

<400> 1882

```

nnatcaaccc tcactaaagg gaacaaaagc tggagctcca cgcggtggc gnccgctcta 60
gaactagtgg atcccccgga ctgcaggaat tcggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tggcagttaa 180
ctcmcaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 240
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc aactgggtga agttatcagt accagactat tttgcttcaa 360
tctgcaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggt cgcgcgatcg gatgagctga cccgcg                                     455

```

<210> 1883

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (856)

<223> n equals a,t,g, or c

<400> 1883

```

ggttctgccc ccactgctta taatgctggt gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct gggtacctgt 180
gcatgctggt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgctcttccc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatgatg tctaacagac tcttttggtt ttaaaagtct gccttgttta 720
tgggtgaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaattnct                                     858

```

<210> 1884

<211> 1419

<212> DNA

<213> Homo sapiens

<400> 1884

```

gtttccagta gcttggaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaatga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggg cgcataaatg tcatgtttta 180
ataggaaaag ttacttgtaa atcttttagac ctttggtgtc acttaggctg gggagtcact 240
accctatttg gcactttact agttgggggg acccttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

```

1173

```

ttgggaagac tgtaaccttt tttttttttt ttttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaaa aaactcaa attggtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg ctttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gtttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtta atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgtaaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta tacaattttg catcacttct tttcttacag cttttgcagt 900
taatataattc taaacttgaa aatgtgggat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taatttttagt cctagctact aaagtatgta agccttaaag 1020
tttaaaatgt ttttcttaaa ttagctttat acacaaacat tttcatttac tttatgaaat 1080
gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
gcagatatag ggtatgctaa tcaagtggac aagggtggaac atgtacaata taaggagaag 1200
ctgtaaaaat cacagtataa aattatgaag tttggtaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gttgccacaa aagctgaatt ggaagcttca tgtctgcatg 1320
aaatttccta tatttttaaa gtgtatgatg aaattaattt ttcttgaata ttaaagtctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

```

<210> 1885

<211> 2013

<212> DNA

<213> Homo sapiens

<400> 1885

```

attcggcacg acggggcaaaa gtctctacca cacctactca actctgtcac gctagcacaa 60
aacagccaca cacaaataca ttaaaaaatg ggtataactg tgttccaata aaactctatt 120
agcaacaggc agtgggcccag atstggcact gactgcagtt tactaaactat cccctgatca 180
agaatgtcca acaatagctg aaagttactt gagaaagtca gcaactgtagg aggaagaaac 240
taacaccaaaa acacaagccg gtagttcttg ggaaatgctg gcagaccaag ggcgggacct 300
cttgcccaga ataattctct tctcctacta aggaacctat aggttctactg aagtaatcca 360
ttactttgaa tcaactctct ctttgcccca cttttaaaaca caaatcccca tccctaatag 420
ttactgggtga acagatggac tcatcccttt cttatccgag aagccccatc acatgctatg 480
tcctatcaca tgctatacca gaagctaggg ctgcagagggt ggatgacgcc ccagatccc 540
tgccccctag gggcttaaga gtctagcagg ggcacctgac ccaagtaagt acaatgcagg 600
gtaaggctgg ctaaaagagca cgtgaaaagg agctgggaac acagctggtc agcagagctt 660
cagggaggggc tgaaggacag gctgcacacg aggcactcag aaaacagcag tgaaacagaa 720
ggcaggcagc aacggcagtg gtactggacc tggggaacac caagttcaag ctctatatac 780
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ctctgcctgc cccatgccag actaggattc cagtgcata agcgccctct acagactcag 1080
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tttgatattt ataccccagg ttttttact ctacgtgac atctatgttg ggccaatgaa 1200
gccaattctt cttttgtaca tatgcagtcc tgtaagaatg cattcaaacg ggatccgcta 1260
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tttaaatggc cttcgggtgtg tgcgcacatg ggcacgtgcg gggagaacca tacttattcc 1500
cctgttcccc gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

```

1174

```

ctgctttgtt tcttatcact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
atctagtgtc aatccattcg actgggcaca ggacagcaga ctgctgacag tgctatgtaa 1800
gattatgagt gatccctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttattttaagt atgaataaaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaaa aaaaaaaaaa aaagggggggg ggg                                     2013

```

<210> 1886

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 1886

```

gccccgcgct ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
ctctctcctg tcttcttact ctctatccca tttgatgtag tgatttttaa atgcttttgt 120
aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttctt tcttgtagta catttaagt ttttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaatcagt ttttcagtct tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatctt taaagcagta tttgtcccca gatggactca tctactagcaa 600
agactagggt catttggaagg cataggggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaaagtgc tgtcagtgag tgattttgtc tacttgaata atggtccatg tttgggggca 720
tattgtgttt cataaagaat gaaaggattt tgcaaaagtaa gctacaaatg acccataaat 780
ctgttaacaa cagtccttaa tatgcaaaaga tgaaaaacaa gcattactgc taccctaaagg 840
gaactgggtc ttggtgatgt gcagatgggg ctgttggtta agagagctat tacaggtttt 900
ctctcttagg tttcatagga ggtagttact gagatgagat tgttttatct ttttgaatac 960
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ttcaaaagaaa ggaaaccaac tgaaatgttt gctttaacaa acattttaat aagttctctg 1140
ggtttttttt tcccccttta aaaaaattag catataccat agcaataaaa gaactaatgt 1200
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catcaaaatg ttatgtaat accataaata atggctagcg agaacatctt tggaaattct 1740
caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgatc ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaataaa agcttttggg atttgtttaa 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga                                     1893

```

<210> 1887

<211> 433

<212> DNA

1175

<213> Homo sapiens

<400> 1887

```
aattcggcac gagggcgcag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggcgcgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccctgttg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggctctg gccactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccc gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa                                     433
```

<210> 1888

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<400> 1888

```
gaggggaagtc aagaagggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcacttttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatctgg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413
```

<210> 1889

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (776)

<223> n equals a,t,g, or c

<400> 1889

```
gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaagggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca cctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgcccc ataagggtgag gggatgaccc ctggagatga aggggaagagg 540
```

1176

```

tgaagcctta gcaaaaatgc ctccctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ccttcactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacaataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc                                                                 783

```

```

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

```

```

<400> 1890
cgcncgagca ccctagcaca ggcgcgggta agatgagcac ggaaggtggt ggccgtcgct 60
gccaggcaca agtktccgcg cgcattctct tcagcgcgag ccaccgattg tacagtaa at 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360
aacaggange cccttaccca gcagcaggca gatatggnc                                                                 399

```

```

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

```

```

<220>

```

1177

<221> misc feature

<222> (2959)

<223> n equals a,t,g, or c

<400> 1891

```

cccggagcag cgcggcagca gcatggctca cgggcccggc gcgctgatgc tcaagtgcgt 60
ggcgggcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaattcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa cttaaggaat acgcacccaaa 300
tgtacccttt ttattaatat gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaa aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctatacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaattgttc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
atctattata aatactttat ttcaactaga aggtacaatc tctcaggggt ttcatagttt 840
aaaaagctac aatcacatca tgttgtaact acgtaaaaaa cagagctgta aatggaactg 900
cttggctttg accatacaca tttctgccc gcccttacag aatctgcaca aagaaatatc 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
agtggtgaaa taacaaggcc agccacgtag ccaaaggctg ctccaagcgt acaggagatg 1080
ggccatacct gaggagagaa tgtatgatag caaaaaagaa caaatgtttt attattactt 1140
gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgcttcc ttaaagaatg 1200
ccaaaagtgt aataagggtc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
agttaatgtg cattaaactg taacaaggct tctggcaatt gtagatttag tttgacgctc 1320
cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttgcc 1380
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actttggctg tgtacatcaa atgaaatgag aagtgtgtat gctgaccaa ccacaagaaa 1500
ctttctttta gttgtgttaa agaggaaaga cctagaatcc aagcgtgtta catgaaaatt 1560
gtaacagagc agctgcttcc acctttcaga tatagatgtt ggaaccacag cagaagttat 1620
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acctcttttc tccagccata ttacatcagg ctagaagtaa ttaatgttga tttatttcat 1740
ctacaagcag ttggtcccta agtgaaaggc tctgcttgaa aaaaaaaga aaaaaaagt 1800
ggaggaaaat tttcatgttc ttctgtgaag cttatttggg aactggagc catttcta 1860
ctttctctgg ggggaacagg ccacagaact gtgttagagg tgaaccatct taattactag 1920
ttctattacc taattcagct tccttggttg gtctgctgtg gatctgcctt attgcatatg 1980
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atgacttgag cttatagcta tgtctactgc acagattggg taatggaaca ctaaactttt 2220
atacttgaaa atgacagcct taaatgctca tatcagtcac aaatctagga tgtactgtct 2280
tgttgtatgt gagctttgta gagattttta aaaatataag catcaccttc ccattgaaga 2340
gtggagagag tctactggat gactggccag gaactttctc tctgaatcgg acatttggat 2400
gtcttctttc ttccaagaaa tgggtggttca cattaaagta tcatggcctt atgtatgctc 2460
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gaaaggaatt gtataaatca attaacatat tagctgagtt gtccaacaca tgggtataaac 2580
gaattacaac agtaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttgggtg ggggaggggg ctccaattca tatctctgaa accttcaca cttgggtttac 2700
taattcaaag ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760

```


1178

```

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttcctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tcccatatat cacagtaatt ttcttattca 2880
cagtaatcat tgttggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaagc tgagggtgcct 3000
taggtacatc ggccgcgacc acggtaagcc gaatt 3035

```

<210> 1892

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 1892

```

gtgagctccg tctcaaaaaa taaataaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggacataaa gccaaatgca ggctgtgtg tagctgtgtg ttttttctgt 180
ggttgccgca ttattccac ctccagctgg acccccact gcaaataagag aacagcgggtg 240
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300
gcatgtattt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac ttnaa 376

```

<210> 1893

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1304)

<223> n equals a,t,g, or c

<400> 1893

```

cggcgggcgggt cggctcctgcc tgtaacggcg gggcgggctg ctgctccaga cacctgcggc 60
ggcgggcggcg accccgcggc gggcgcgag atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
acgttttgta atgacactgt cgtcattcca tgctttgtta ctaatatgga ggcacaaaac 240
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gctctaaaca agtccactgt cccactgac tttagtagtg caaaaattga agtctcacia 360
ttactaaaag gagatgcctc tttgaagatg gataagagt atgctgtctc acacacagga 420
aactacactt gtgaagtaac agaattaacc agagaagggt aaacgatcat cgagctaaaa 480
tatcgtgttg tttcatggtt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tcctgttctg gggacagttt ggtattaaaa cacttaaata tagatccggt 600

```

1179

```

ggtatggatg agaaaacaat tgccttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgactttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattgggta ttcaggatgat agcctataatc 840
ctcgctgtgg ttggactgag tctctgtatt gcggcgtgta taccaatgca tggccctctt 900
ctgatttcag gtttgagtat cttagctcta gcacaattac ttggactagt ttatatgaaa 960
tttgtggctt ccaatcagaa gactatacaa cctcctagga aagctgtaga ggaacccctt 1020
aatgcattca aagaatcaaa aggaatgatg aatgatgaat aactgaagtg aagtgatgga 1080
ctccgatttg gagagtagta agacgtgaaa ggaatacact tgtgtttaag caccatggcc 1140
ttgatgattc actgttgggg agaagaaaca agaaaagtaa ctggttgtca cctatgagac 1200
ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

<210> 1894

<211> 2617

<212> DNA

<213> Homo sapiens

<400> 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcackag cggctgggcg ctgaggatca gccgcttcct 120
gcctggattc cacagcttcg cgccgtgtac tgcgccccca tccctgcgcg cccagcctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggcg cgacccacgc tctgggccgc 240
tgcgctgact ctgctggtgc tgcctccgcg gccgcccgtg gcgcgggctg gcgcgagctc 300
ggcgggcttg ggtcccgtgg tgcgctgcga gccgtgcgac gcgcgtgcac tggcccagtg 360
cgcgcctccg cccgcctgtg gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcgagg gccagccgtg cggcatctac accgagcgtc gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggg gcgaccgctg caggcgtcgc tggacggccg 540
cgggctctgc gtcaacgcta gtgccgtcag ccgcctgcgc gcctacctgc tggcagcgcc 600
gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgcgggca gtgtggagag 660
cccgtccgtc tccagcacgc accgggtgtc tgatcccaaag ttccaccccc tccattcaaa 720
gataatcatc atcaagaaaag ggcatgctaa agacagccag cgctacaaag ttgactacga 780
gtctcagagc acagataccc agaacttctc ctccgagtcc aagcgggaga cagaatatgg 840
tccctgccgt agagaaatgg aagacacact gaatcacctg aagtctctca atgtgctgag 900
tcccaggggt gtacacattc ccaactgtga caagaaggga ttttataaga aaaagcagtg 960
tcgcccttcc aaaggcagga agcggggcct ctgctggtgt gtggataagt atgggcagcc 1020
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gtagacgcct gccgcaagkt taatgtggag ctcaaatatg ccttattttg cacaaaagac 1140
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ctgatttttt ttaaaccaaa gtttagaaaag aggtttttga aatgcctatg gtttctttga 1260
atggtaaact tgagcatctt ttcactttcc agtagtcagc aaagagcagt ttgaattttc 1320
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ataaaggcag gtatttcggg cctcctctct caggaaatctt cctgaagaca tggcccagtc 1800
gaaggcccgat gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcatacaca agtaatggca caattcttcg gatgactgca 1920

```

1180

```

gaaaatagtg ttttgtagtt caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agcttttattt tcatctctca tcttttgtcc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
ttataattca cacatatatg cagagaagat atgttcttgt taacattgta tacaacatag 2220
ccccaatat agtaagatct atactagata atcctagatg aaatgttaga gatgctatat 2280
gatacaactg tggccatgac tgaggaaagg agctcacgcc cagagactgg gctgctctcc 2340
cggaggccaa acccaagaag gtctggcaaa gtcaggctca gggagactct gccctgctgc 2400
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<210> 1895

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1895

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aacaattttt 550

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<210> 1896

1181

<211> 857
 <212> DNA
 <213> Homo sapiens

<400> 1896
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 ctaaagtttt attgaca 857

<210> 1897
 <211> 779
 <212> DNA
 <213> Homo sapiens

<400> 1897
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 gtaaatTTAA agatgtttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
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 ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
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<210> 1898
 <211> 3310
 <212> DNA
 <213> Homo sapiens

<400> 1898
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1182

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gagacttcac	ctattggact	atttttttta	atccaggcat	atgggtcttta	gtaatggctt	3120
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1183

aaaaaaaaaa

3310

<210> 1899

<211> 1184

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (995)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1041)

<223> n equals a,t,g, or c

<400> 1899

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<210> 1900

<211> 3878

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2078)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1184

<222> (2079)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3847)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3869)

<223> n equals a,t,g, or c

<400> 1900

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tctgcacacg ctcatcttcc tggcctgcag caacttctgg ttcaaattcc cgcgaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tggaggagga gagcgacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagttag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
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ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
caaggtgatc aagttcatcc tcatcatctg ctacaccgtc tactacgtgc acaacatcaa 600
gttcgacgtg gactgcaccg tggacattga gagcctgacg ggctaccgca cctaccgctg 660
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1185

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<210> 1901

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 1901

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ccaaacatct actacaaggt atgagggtc ctctnacgtg gctatcctga atccagccct 120
tcttgggggtg ctctccaggt ttaaattcct ggtttraggg acamctstaa catct 175

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<210> 1902

<211> 1807

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1186

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1184)

<223> n equals a,t,g, or c

<400> 1902

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cgcacgaagt cggaccgtcc tgcgcgcgcg ctaagtccag gcttgcccggt ctgctgccag 120
gcaacaacgc ccctagtctc tccgttcggg aagacgcgtg gccctgcctg ccacccaccg 180
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<210> 1903

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<212> DNA

<213> Homo sapiens

<400> 1903

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1187

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<210> 1904

<211> 4039

<212> DNA

<213> Homo sapiens

<400> 1904

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1188

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1189

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<210> 1905

<211> 3989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 1905

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1190

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<211> 2629

<212> DNA

<213> Homo sapiens

<220>

1191

<221> misc feature

<222> (35)

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<400> 1906

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaac 2629

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<210> 1907

1192

<211> 1551
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (676)
 <223> n equals a,t,g, or c

<400> 1907
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 agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180
 tgccccaca ggggctttag gctggtctgg gtcattggga agcgtccctc ttatcgctgg 240
 tctgtgttct cctggatttg gkatctatgt tggtagact cctggccttt tatctaaagg 300
 actttggcct ttgtaaatca caagccaata atagactttt ttctccccct ctgttttttg 360
 ctgtgtcatc tctgccttga gactgccttg agacagtgtc tgccttgaga gagtgaacca 420
 attaacagct gcctgaattg tcattttcca ttttggtttg ttagaggtgg gaggggtggg 480
 ttttgagaag gtcaaaagca ataccagaag taaagggaaa tatcagacaa tattttatta 540
 ttttttcata gatgttctgc cacacaaaga acttgggggtg taaggataag gcaaaagctc 600
 caatcccatt tttcagttct cctaggatgc acccctcagg gagcctggcc agagtccga 660
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 caaacctaaa tgctactgtt ccaaagagca acttgatggt tttttttaat actgagtgc 1380
 aaaggtcacc caaatcccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
 tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
 aagtaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

<210> 1908
 <211> 468
 <212> DNA
 <213> Homo sapiens

<400> 1908
 ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctgggagaag gggggctgat 60
 tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
 ctgcaggcat tattgtcatg gcaactgctg gcatgttcaa tgtgcaccgt catggggcca 180
 ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
 gccactttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
 agtctcttct ctggtgagga ctttcctttc cctgggtggg ctttctggat taggaatgaa 360
 gaacacattg tgggctgggt cacagtgggt tcacamctgt kaatcctagc acttggggag 420
 accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

1193

<210> 1909

<211> 1799

<212> DNA

<213> Homo sapiens

<400> 1909

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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180
atcaggtagg gtggagtaca gggatgcttc taccaggagt gtgattatac agccactgcc 240
tttattttctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaagggag gctagaggac 360
atggctcagt atccccaagt cttttattta ggatatgggt tcagctactt ctgacttgac 420
ttaaacagtg acaaaaataac aatggcttaa acaagatagt ttattttctt tcatgtaaaa 480
atttgaatga caatttagtg aaggtgacaa gggccacgc ttctgctaag gtccaggcat 540
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600
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ctgaagaaca acaaaaaaaaa tttaatgaga aaaaaggatt aaagtaattg gaagcagtat 1740
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<210> 1910

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

1194

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 1910

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cggattatgc ngamacnccc cagggnttrt gctatgacgt cgcattgcacg cgtaagcttg 60
ggccccctcga gggatcctct agagcggccg ccgcggcatt cgggggaatct gcagggcaga 120
tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaaag 180
tccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaa atgtttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttggagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcgatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
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cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttta attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gtttttactg tgtatagaaa ttagtgcttt ggtttttaaa 900
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ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
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cttntct 1267

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<210> 1911

<211> 554

<212> DNA

<213> Homo sapiens

1195

<220>
 <221> misc feature
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (543)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (551)
 <223> n equals a,t,g, or c

<400> 1911
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 cggcggcggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120
 gaaattaatc aacgattctt gaagttgaag aaaagttggt ctctctacag gaggttccag 180
 ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240
 ctaggaaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300
 agcgggaagca agccatgcag gagggccggc agcagatcac tacagtggtr ctgcccacrc 360
 tggccgtggt cgtgctcttg atcgtgggtg ttgtgtacgt ggccacgcgc cccaccatca 420
 ccgagtgcgc cccgcatncg gtcgcggacc ccatcggcag ggagaggaat gctcggggagg 480
 gggacgcaaaa caaaaaatgg cttttatatt cagagatggt catgttgctg aactgttaag 540
 cangaancac nctg 554

<210> 1912
 <211> 1718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (31)
 <223> n equals a,t,g, or c

1196

<400> 1912

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gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tctgtcsct 120
ggtcgsgtc ctgcggaggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
ggctgggac agatgggaag cggaagctca tcatgaccag aaactgtttc cctayggaga 300
gcacttgag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaact 420
ttcattggac tggaatgttt ggagaatgtt aawttccaaa tcaggaacca caaactgccc 480
tctaataaga catcggctat ctaagcgtgt ggggtgcccc tttctgccag cagttctggg 540
tcttaagaaa atcaccataa atcagacatg aaaattcttg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcacaaa gccaaagcca ctgcagctgc cacatccctg ggcttacggg gcagcaggtg 720
cttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
caaacgcagg atgaggagtt ctgcagaggt cacagggaag tcacagaaca gtaatacgtc 840
agcaggggca tggggcgtga agaacagaag aagagaggaa gcgtttccaa gcctccagag 900
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agccttgcta aactstctga atcaaggatc acaaactaca cctgcaggcc aaatccagcc 1620
cacagcctgt gtttgtaaat aaagctttat tggaasaaag ccaaaaaaaaa aaaaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

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<210> 1913

<211> 1975

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1913

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mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccagaga catcgcggct ggggaggagc tcctgtatga ctatggggac cgcagcaagg 240
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cccactttcc cttcttcaaa ggacaaagtg ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaataatc gttacaggtt tccaaggtgg acttgaacag atggccttat 480

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1197

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attaccaaaa ctttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
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atgaactagg aagccagggtg agtctccttt ctccagtgga agagccggga ccttccccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggcctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgtatgaa 780
tattttttta aaaggttttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
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atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

```

<210> 1914

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<400> 1914

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ctacagcgac aacagcctgg accccgggct tttttagaa agcaccgcga aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc taaaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgnccaaag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

```

<210> 1915

<211> 2885

<212> DNA

<213> Homo sapiens

1198

<400> 1915

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gggcacgagc ggctgctggc tcctcctcgt ccttgctctc gtctacttg tgagcccccg 60
cggctgccga gcgcggcggg gcctccgcgg tctgctcatg gcgcacagcc agcggtgct 120
cttccgaatc gggtagagcc tgtacacccg cacctggctc gggtagctct tctaccgaca 180
gcagctgcgc agggctcgga atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
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catcgacacc caggcccagc tggctgtggc tgtggaccct tcagaccctc gggctgtgca 360
rgcttccatt gaaaagraag gggtcacctt ggtcgccaty ctgtktactc acaarcatctg 420
ggamcacart ggarggaacc gtgamctcar ccggggggcac cgggactgtc ggggtgtacgg 480
gagccctcag gacggcatcc cctacctcac ccatccccctg tgtcatcaag atgtggctcag 540
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gccggggcgg gggccactg gggatgatga ctactcccg gccagctcc tggaagagct 1020
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```

1199

<210> 1916

<211> 3008

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2235)

<223> n equals a,t,g, or c

<400> 1916

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cagatagtta aggaagggtcc ttagataatg cagtatactt attaacatac agacatcaag 180
aagcagaaat atatagacat cttccttttt gggtctaata gggcttcgtg ggacacatat 240
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```

1200

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ctcgtgcc                                     3008

```

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

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cattgacagt tgggtggagg gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
gggcccttat ttaccggaag cttctgttca atcccagcgg tccttaccag aaaaagcctg 420
tgcataaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
aaacatattt ctgtattctt ccaaaaaaaaa aaanaaactg gagggggggcc cgtacccaat 540
cgccgtatat gatcgtaa                                     558

```

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

<221> misc feature

<222> (1797)

<223> n equals a,t,g, or c

<400> 1918

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caagctattg acaaattttc agcagatgga atgcggtttg ctctggctga tgctggtgac 240
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gatcaaaact atgaaaagat gatgttttaa gaagctttga aaacagggtt ttttgagttt 480
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```

<210> 1919

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

1202

<400> 1919

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ggagctcgag ctccagggctg tccccgtcgg tgaagataaa cgtctgctgg cggggcccg 180
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ttcttgcaaa acttattgtc cttgtcttca tttagcaaca gtggttaagta gttggaaacc 360
aagtatttat gtaagacaca catcacatgg tgatactcac atttatgtag aagtttattg 420
tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
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```

<210> 1920

<211> 2115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<400> 1920

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caaaatcaaa gatgcggctg gtttccgtgt ccagccaacg gttgtggctt aggggtgtaa 180
accatttcat tcctttttatc ctcatcttag cggcggttag ccatcatttc gtcgaccan 240
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caagaagaat ggagaagggg gcagccaaga agaacttctg gggtcaggggt actgtttatt 660
tgctccttct cttcatgcct gtggctggat gtcccacaac actataagaa atataagtca 720
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aagtgagatc agccctcaag ggcacatgcc aagggcagag cagcccatgt agacagcttc 960
ggagggcatg ggggtgtagg gagttcgggg tagctcctca ttaactattt gttgggtgag 1020

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1203

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```

<210> 1921

<211> 3953

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1921

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aaactggaca cgtcctctga gaagctagag tttttgcaac tttttggctt gaccacccaa 180
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aagttcctga ccattctcaa cctgaccac atcagcgctg agaagaggaa agacaaaagag 420
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1204

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1205

<210> 1922

<211> 1992

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1955)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1989)

<223> n equals a,t,g, or c

<400> 1922

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1206

<210> 1923
 <211> 725
 <212> DNA
 <213> Homo sapiens

<400> 1923
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<210> 1924
 <211> 2227
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (289)
 <223> n equals a,t,g, or c

<400> 1924
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1207

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<210> 1925

<211> 3911

<212> DNA

<213> Homo sapiens

<400> 1925

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1208

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<210> 1926

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1209

<400> 1926

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<210> 1927

<211> 2310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<220>

<221> misc feature

<222> (2305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2309)

<223> n equals a,t,g, or c

<400> 1927

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1210

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cactgcttta aactgcattt ttctaattgg ctaaaccagg atgggtttcct aggaaatcac 2160
aggcttctga gcacagctgc attaaaacaa aggaagttyt cctttttgaa ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc ttttaacctg aaaaaaaaaa aaaaaaggg 2280
sggccggacc caatttnccc taaangggng 2310

```

<210> 1928

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1928

```

gtgctgccgc ctcccgctgc cctgcgctc agaggtcccg aaccagccca gccgctgcct 60
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gcagggtcgc gcgcatggcc tgggcggggt cgcggcgggg cccagctggg acgcgcggg 180
cagccgagcg ctgctgcggg ctctcgctca gcccgggcgc gcaaccggcc cgccccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctcctg carcctctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttcctty atgggatttg 360
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t 421

```

<210> 1929

<211> 1283

<212> DNA

<213> Homo sapiens

1211

<400> 1929

```

gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgcgc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggag agcgcacggt ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagtttgt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgac ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcac agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaatctact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttgagccca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcagggtctac actgaggaaa acaccatctt tgccccagc atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
cagagaagac aaaactgaca aaggaggaga aaaagggaaa gaagctgaca aagaaatcaa 960
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caattgagac tacaagtacc acggtgctac ttgcacagac ccctttggtt aaatgtaa 1080
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tctggtcatt cccttgtatg aactggtcta aagactgtta gtggggtgtt agttgatttt 1200
tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaatttg taaataaatt 1260
tcttttggtt cttattatct aaa 1283

```

<210> 1930

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (667)

<223> n equals a,t,g, or c

<400> 1930

```

gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

1212

```

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc tttttttttt 120
ttttaagag attttcagac taaatagaaa tgtcaaaatg atgtatcaat gggtcttttt 180
tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
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ggctaggttt tcaaacttac caaattgctt taaaaaagca atttggaagg taatttgata 360
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aattcatttg tctttttcag tatagttttt gttaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tgttgtttac ctatcctcaa caacattttt agtttaaat attgtaaana tttttttgtg 660
ggtggttatt tttatttgct ccaaaataat aagggtgcaa ctattttatg cttaactggt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

```

<210> 1931

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1605)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1618)

<223> n equals a,t,g, or c

<400> 1931

```

tgcctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgcttctctc ctcccactaw 240
ctttaaagaa ttgctctcca tctccttttg caaagtccct ttgccctttg tcttattttt 300
gtgaaacctc caaggatatt ccagtcocatt tgcattccaat ctggcatctt tacggagagc 360
ggtctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga aactgggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcattcagca 480
aaccattttc ccccggtgcac tcattctgag ctctcttctc tcatttctgt cattactgct 540
gagaactgga ctgtgccag ctgacctttc ccttctctgc cctcatcttg ctgccagggt 600
ctgcagggtt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctctg gtgttgactg ctgagatcca ggaactggga 720

```

1213

```

aatcaacccc cagttttagg attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgtgtgt cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
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ccttcaaagt ggaacagtcc agtgccaaaa atttttagagt ttgagaaggt cacagaaatc 1020
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tgcaactaga tcagggtttt gggctctgtgt tctttctacc gtcagcacct gtgtgggtcaa 1140
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gaaggccttc aaaggaggga ttgcaaagca aggcaaagcg ttctgtcttc attttcccca 1440
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ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaaataaa acaacgacaa agaaaaaaa aaaaaaaagg gggcnnccct caaaggancc 1620
aacctttctt acg 1633

```

<210> 1932

<211> 1126

<212> DNA

<213> Homo sapiens

<400> 1932

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ttcgttttagg tcggctggaa attatgtcct ccgtcggttt tccgcagttt ttccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgctcctt tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgtc 180
cgacgggcta ggaactgtcc tgcttgggtg ttagcgtttc ccgycgggac agtaaggctg 240
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gagtttctct agggcgcccc agcaatgggc cacttttgcg agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtat 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttggtt taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctaccaggtt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaagggtt catctttttc cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttcccaagat tgtggactcc acctgaagat tatcggctat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaagggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttgggttgac tatttagtgt tgcatttaat gataaaaaac agaccc 1126

```

<210> 1933

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

1214

<223> n equals a,t,g, or c

<400> 1933

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atttctcaaaa gagtattaca ggcggtgacac cactcttggc ccagcctgtg ggttttgatg 60
gggatgtctt ggctgctgtc ttggaggcac agtgtctccc catgtgtgtg tttcttggcc 120
cagagtgact ccagtatctc ctagtctctc cccacaggat agtcacatcc attatttact 180
tttgttgtca gctgggaggg gaaactgaag cctggacacg tctccccaag ggctcagtgt 240
tcatgggtgt gtaagatcca ttgactggac ccagaaaagc accctgaggg gcagtgcaga 300
gagagcccag gaagcccctc cactagagga ggcccttggc ctggctgagg accacgtcac 360
cctgggcctc cagsctgnct ttccacatta aaggcggggc agtctcctct caaaggagtt 420
ctcccttgag cactttgggc tctggggcag agttgggcta ggagatctgg gtgaatcctt 480
tagtcacagc tagtctcatg ttctcttctt gtcaaagggg tcatggcccc agtgtgtcct 540
acctcagagt tgtcagggtc aaagtaacag gcactgggac aaatatgaag cctagctttg 600
tgcttccctt caaattcagg gcctcccttc tactccattc cagccttttt ttctgtcag 660
aatccctcag gaaggacctt tatcttctgg agtgagtggc agttccactg ggttcagtga 720
aagagtcgcc catggggctc tgttccccag gagtcctttg tatttttggtg aacaaaattct 780
taccaaaagca tgagattcgg actgtagaag ttcagactgc ctcagttcag actgcctcat 840
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tgtggatcct gcttgtctgc tctggagtcc cccaccctt gccaggagct tcacaaacca 1260
gagacgggct gtcagcaaga gctcagacag gatgtggtgc aagtgcaggt gcacgagttt 1320
aaccctcagc tgcaggagct agtctcaggt gttctgggga tgctcaggc taagaatttt 1380
gccgactttc tgggcttggc tggctaagtc caaatgcccc tgcttaaata tcacaagggtg 1440
ctgattctcc ttttttcttt ttttcatacc aatgtgctca aactttgagc taggtcttgt 1500
gagtttgcct agcactcaga cctgtttaag taacgttctt tacattgaaa caagtcaacc 1560
gaagctttgt ggtgcaggag ctgaggggtc cccagactca gtgggagccc tggttgggcc 1620
ccaaactctc ccagcagggt cctcggtttc ctcatctgtg aaataaatga gtgggccacg 1680
acgttaataa gcccaagaga actgtgaagg tggtagtccc ttgccctaag tggtgctcaa 1740
taaagttgtt ggcataaacg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 1797
```

<210> 1934

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1215

<222> (335)

<223> n equals a,t,g, or c

<400> 1934

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ttcaggtgac actcatagaa ggtacgcctg caggtaccgg tccgraattc cggggtcgac 60
ccacgcgtcc gcacattagc aacaatgtac attaatTTTtTg gatttttcatt ttcattgtttt 120
atTTTtGtaaa tattatctga tGTTTtggagc ttgagtatac agactgtaaa tatagtTtctt 180
gtatttTgtac taattctgat tctTTTtGctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtgggtaacc ttgcgtcacg gagctgttag tgaacgaggT aaaaataata 300
aaggTtacagc cagTngcatc aaaaaaaaaa anaanaa 337

```

<210> 1935

<211> 1330

<212> DNA

<213> Homo sapiens

<400> 1935

```

gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctccggagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctctTTTtTc acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcgggcca 180
ctcagtcCCA ttccatctcc tcgtcgctct tcggagccga gccgtccgcg cccggcgggcg 240
gcggggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tcctgtgcgg 300
tgcacgatct gattttctgg agagatgtga agaagactgg gtttTgtcttTt ggcaccacgc 360
tgatcatgct gctttccctg gcagctttca gtgtcatcag tgtggTttctTt tacctcatcc 420
tggtctctTct ctctgtcacc atcagcttca ggatctacaa gtccgTcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
cagaagcttt ccataattac atgaatgctg ccatggTgca catcaacagg gccctgaaac 600
tcattattcg tctctttctg gtagaagatc tggTtgactc cttgaagctg gctgtcttca 660
tgtggctgat gacctatgtt ggtgctgttt ttaacggaat cacccttcta attcttgctg 720
aactgctcat tttcagtgct ccgattgtct atgagaagta caagaccagc attgatcact 780
atgttggcat cgcccagat cagaccaagt caattgttga aaagatccaa gcaaaaactcc 840
ctggaatcgc caaaaaaaaaa gcagaataag tacatggaaa ccagaaatgc aacagttact 900
aaaacaccat ttaatagtta taacgtcgct acttTgtacta tgaaggaaaa tactcagtgT 960
cagcttgagc ctgcattcca agctTTTTTtTt ttaatttggT gttttctccc atcctttccc 1020
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cagaagaaga aagaatcawa ttcataggat aagtcaatac cttaatggTg gtagagcctt 1140
tacctgtagc ttgaaagggg aaagattgga ggtaagagag aaaatgaaag aacacctctg 1200
ggTccttctg tccagTttTc agcactagtc ttactcagct atccattata gttttgccct 1260
taagaagtca tgattaaact atgaaaaaat tatttgggga caggagtgtg ataccttctc 1320
tggtttttTtTc 1330

```

<210> 1936

<211> 678

<212> DNA

<213> Homo sapiens

<400> 1936

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ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccgA ctgaggcgga gacgaaggTg ctgcaggcgc gacgggagcg gcaagatcgc 120
atctccccggc tcattgggga ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttTgt 240

```

1216

```

caggaactcg actcagacgt ggataaagat aatcccgcgc tgaatgcccc ggctgcccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gcgccccagc cccagctacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcgt gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaa aaaaaaaa

```

<210> 1937

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2422)

<223> n equals a,t,g, or c

<400> 1937

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cctcctcctt ctccatgcct ctgttctctc tgetcttact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaatt tgggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tgggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggg tgcaaatgaa ccattcaatt gaatcaaaag 420
gcaatgaaat cacattgctg ttcattgagt gaatccatgt ttctggacgc ggattttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtgc 660
atgcaggagt agtgtcaaac acgttggggc gccaaatcag tgttgtaatt agtaaaaggta 720
tyccctatta tgaaagttct ttggctaaca acgtcacatc tgtgggtggga cacttatcta 780
caagtctttt tacattttaag acaagtggat gttatggaac actgggggatg gagtctggtg 840
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aagagaacag ttggaacccc aaaaaagcca ggctgaaaaa acctggaccs ccttgggctg 960
cttttgccac tgatgaatac cagtggttac aaatagattt gaataaggaa aagaaaaataa 1020
caggcattat aaccactgga atcaccatgg tggagcacia ttactatgtg tctgcctaca 1080
gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
aagataagat atttcaagga aacaaagatt atcaccagga tgtgcgtaat amctttttgc 1200
caccaattat tgcacgtttt attagagtga atcctacca atggcagcag aaaattgcca 1260
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atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggtcctca 1560
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aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggt ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

1217

```

tttcttaaaa caagctctgt tctttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggctttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatgggta ttcaccaagt 2040
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ctgcaagtga caccaaaggg gccccctac cagttttctca cttcccagtc tcaactactgg 2160
atcagctctt aggagccagg agagttcact gctgtggcta ggatagaaaa gggcagctag 2220
tgccccaggg tagatcttgg aaaatatattt ttgggaaaaa tgtaattaag gccaccctta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtaccc                                     2428

```

<210> 1938

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (909)

<223> n equals a,t,g, or c

<400> 1938

```

gtancngaca gtcacgggtcg gattccccggg tcgaccacag cgtccgggtcc gcagtgacta 60
cactcatggc aggtccccctg tggcggaccg cagcatttgt gcagagacac aggacaggcc 120
tcttggtggg ttcctgtgca ggctgttttg gagttccagt ctctgtaccac ctcttccccg 180
atcccgtggt ccaatgggtc taccagtact ggcttcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagagggtc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgccg gtttcttggg agacctagt atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgccccggt 480
gagagcttcc ctgaccttgt cccgtgaagc ccagaagttc gccttggcca gggaagtggg 540

```


1218

```

gtacctggaa agcagtagca ctgccgtgca cgccttgcctg gccccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gccccatgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgcgcacgg cytccctctc 780
tgcagcctat gcctgtggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaagg ggagaagctg tatacaccca acngggaaca 900
tcgtccccna gacacttggt cc                                     922

```

<210> 1939

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 1939

```

tcccnacccc tcttccccct actttgcctt acccctcac ccctcaagac agatgcccc 60
ttgcctttta aaaagttgga ttttaaccga cgtgtttagt ggttcttggc ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aatttttagtc ttccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcaactcat gaatgtatga 300
actggaggaa gttactacag tggaaagggt cttataaaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaaaaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtag tttttccaca attgttgctg ctagtgtgac acatctctag ttcagctctt 540
gccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac cccagaaaac 600
aagcctgtta atttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgctgt 660
atcaggttgc ggataractt gtaagggkgt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatgggtt ctaaaaaaaaa aaaaaa                                     756

```

<210> 1940

<211> 1884

<212> DNA

<213> Homo sapiens

<400> 1940

```

aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagttgtat gggagactcc cgtttgttga ataagggtga tgcttatatt caggagcatt 120
tgttacaaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaatt atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagagggtc 300
aaaccttgta ctactcagct gatcacaagc tgcttgatgg gaacctacta gatggacagg 360
ctgagggtgt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaagtcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaaataaca 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttaa agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtacgca cgatctgggtc 720

```

1219

```

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccgga tttcaaattgg ctgtactcat gggccagctc tatgtggttag 900
gtggatcaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
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tgaatggaaa gttatacatc gttggtggct ctgattcata tgggtcaaaaa ggactgaaaa 1080
atttgtatgt atttgatcct gtaacaaagt tgtggacaag ctgtgcccct cttaacattc 1140
ggagacacca gtctgcagtc tgtgagcttg gtggttattt gtacataatc ggaggtgcag 1200
aatcttgga ttgtctgaac acagtagaac gatacaatcc tgaaaataat acctggactt 1260
taattgcacc catgaatgtg gctaggcgag gagctggagt ggctgttctt aatggaaaac 1320
tgtttgtatg tgggtgcttt gatggttctc atgccatcag ttgtgtggaa atgtatgatc 1380
caactagaaa tgaatggaag atgatgggaa atatgacttc accaaggagc aatgctggga 1440
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atacgttgga agtctataac cttgagtcaa atgaatggag cccctataca aagattttcc 1560
agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagagggtgg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttatttggga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gacttttggt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

<210> 1941

<211> 2731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 1941

```

aaggcgtctg gaggtttaatg ttacttgggtg atatgagact tncattcttn cagggtggaag 60
atgagctcag ctccccagtg gtgggtgttca gattttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agccgtccca gtgcccacaa tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggtatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

```

1220

```

acatccatgc tggactcctg aagaagttaa atgaactgga atctgacctt acccttataaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc cggggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaaggc cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaacggcttc tggagagggg ggtgttgcgg cagatccctg 840
tagtgggctc cgtgctgaat tggttttctc cggccaggc tttacagaag ggaagaactt 900
ttaacttgac agcaggctct ctggagtcca cagaacctat atatgtctac aaagcacaag 960
gtgcaggagt cacgctgcct ccaacgccct cgggcagtcg caccaagcag aggcttccag 1020
gccagaagcc ttttaaaagg tccctgcgag gttcagatgc tttgagtgg accagctcag 1080
tcagtcacat tgaagactta gaaaagggtg agcgccctat cagtggggccg gagcagatca 1140
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agaccgaggc cttccagaaa ggggtcccac acccagaaga tgaccactca caggtagaag 1260
gaccggagag ctttaagatga gactcattgt gtggtttgag actgtactga gtattgtttc 1320
agggaagatg aagttctatt ggaaatgtga actgtgccac atactaatat aaattactgt 1380
tgtttgtgct tcaactggat tttggcaca atagtgtcct gaaaggtagg ctttctagga 1440
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gacttttccc taagttaacca taaacacatt ttattcaca aaaacacttc gaatttcaag 1560
tgtctaccag tagcaccctt gctctttcta aacataagcc taagtatatg aggttgcccg 1620
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ataccgtttg taaagagaaa ctgtaaaagc tcctcctgac catatatatt taaatactgg 1980
caaagctttt aaaattggca cacaagtaca gactgtgctc atttctgttt agtatctgaa 2040
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gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
ggcagctcgc ctggggcccaa ctcagaaaca ggagccagca gagcactctc tcacgctgat 2220
ccagccgggc accctgctta agtcagtaga agctcgtgg cactgcccg tctactttt 2280
ccgaagtact gcgtcacttt gtcgtaagta atggcccctg tgccttctta atccagcagt 2340
caagcttttg ggagacctga aaatgggaaa attcacactg ggtttctgga ctgtagtatt 2400
ggaagcctta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcaggggggt ttttttggtg cagatgatta aacagtcttc 2520
cctattttgt gcaatgaagt atagcagata aaatggggga ggggtaaat atcaccttca 2580
agaaaattac atgtttttat atatatgttg aattgttaaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731

```

<210> 1942

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

1221

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1942

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ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggt tccgacagat cattgctgtg gtccctgggtg tcatttgagg agttttgcca 120
ttacgagggt tcttggggaat agcagggtaa gtcttggtgta tcttataatt tcatggtatc 180
atctcttttt aaatagagggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaa gaagcagccc tacagtggca ctcctgggtc 300
tggtgcacca ctcctcagga gcattctara ttctgectga tcaatgcagg agtcctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggttttatgac cyctttttgcc ttgttcaggc cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tcccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cggttggggaa cccagccctt tgggaacttg 600
gaagaccctg gtttccggga ccgcgaatca gtgtgttggg gcattcagtg tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccacctt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

<210> 1943

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1219)

<223> n equals a,t,g, or c

1222

<400> 1943

```

ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgca 120
ccctagaccc cgactccctt tggctcagcc cgcgcgcccc agggccggcc cgggcggcgc 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgac 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
atttggatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tccctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagccctt tggaacttgg aagaccctg tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc accttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttctcgtatt ctccatcggg tgtagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtgggcca tagcacagta catgcagcat 1020
ctaataagag tttccattgt agaattgttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaaa rccggcgcgt ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccg 1200
cgtttttaca acggcnngna ct 1222

```

<210> 1944

<211> 2786

<212> DNA

<213> Homo sapiens

<400> 1944

```

ggtggtcggc ggcggcgggc gcggcgggcg cggcacagag ccggtggtgg agccgccgag 60
gagggtcacg cagcacaatg ccagctctgc ccctggacca actccagatc acccacaagg 120
acccgaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgccta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gtccttgcc ttgcctcacg 300
ataaattctg gtgccagggt atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaa ttcgacgagg ggggtggcctc agcccttgag gttgttgaca 420
tgcagaagcg cctccatcga agtggttttc tcaccttcct ccgcatgtcc actcacaagg 480
aatccaaaga tcacttcatt tccccctctg cgtttgaga aatcctctac aataacttcc 540
tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaacctt gcctaccatc cttcagggtct tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggcca ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cctttgtgat acctgcacca 840
cactttgggc ctttctggat atcttccctt tggcttgcca gaccttcag aagcacgact 900
tttgttacag actagcttcc ttctacgaag cagcaattcc cgaaatggag tctgcaatta 960
agaagaggag gcttgaagat agcaagcttc ttggtgacct gtggcagagg ctctccatt 1020
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tcctagaaag cagctgtgac aacattcagg gcttcacga agagtctctt cagatcttca 1140
gtccttgct gcaggagaag aggttccctc gggactatga tgcactcttc cccgtggccg 1200
aagacatcag cttgctgcag caggcctcat cagtcttggc cgagacgcgg actgcctaca 1260

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1223

```

tcctccaggc agtcgagagt gcatgggaag ggggtggacag acggaaagcc acagatgcta 1320
aagacccatc ggtgattgag gagcctaata gggagcctaa cggggtcacg gtgacagcag 1380
aggcagtcag tcaagcatca tcacatccgg agaactcggg ggaagaggag tgcattggag 1440
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tgaaggacct gctgccagac cttggtgagg gcttcacctt ggcttgcttg gagtactacc 1560
actacgaccc agagcagggtg atcaacaata tcctggaggga gcggctggcc cccaccctca 1620
gccagctgga ccgcaacctt gacagagaaa tgaaaccaga ccctacaccc ctgctgacgt 1680
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acgacaagcg tgcagtggcg gcacagcggc agcgctacga gcagtacagc gtggtggtgg 1860
aggaggtgcc actgcagcca ggcgagagcc tgccctacca cagtgtctac tacgaggatg 1920
agtacgatga cacatacgat ggcaaccagg tgggcgccaa tgatgcagac tctgatgacg 1980
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cgacaagagc caaccacaa cggagaacca tggccgaccg caagaggagc aaaggcatga 2340
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cgcgctccca tcgcctgggg cctcctcact agggggcccca agttcaactc aaccctcaa 2460
cagcctcagc tttgcagccc ctgagaaggc cgcctctcat ctaccagcca gccatgagcg 2520
ccttcctgca gaacacacag tgccttatgc cacagccgaa gaatccgtgg ggccggcaag 2580
caggcacctt cccccagctg cgctagcggg aaagagatgg ggatggagtc ccaaggcaag 2640
cgccccaaac ctcgggccac aagacaccac ttccccctta ccctggacag caggaaacct 2700
gtatattcaa aaacacaaaa agtcctgcta ataaaaatct tgaccctttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

```

<210> 1945

<211> 1483

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1478)

<223> n equals a,t,g, or c

<400> 1945

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aattcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catcgcggtg gtctttacct gcttcacgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
ttttggctta gagatcacta atccatcttc agcttcaatt acaactggca taaccttgac 300
aacagattgc cttgaagata gcctccttac atgctactgg ggggtgcagtg ttcaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
agatgctctg tatagtgaat atctctatca ggaacagtat tttattaaaa aggatagcaa 480

```

1224

```

agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
cagatctcgc tatccattgg tagcgtatt gaccttagct gatgaggatg accgggaaat 600
ttatgatatt atttccatgg tgtcagtgat tcatattcct gataggactt ataaactatc 660
ctgcagaata ttgtatcaat atttactcct ggctcaagggt caatttcatg atcttaagca 720
acttttcatg tctgcaaata ataatttcac tccctccaac aattcctcct cagaagaaaa 780
aaacacagac agaagtttgt tggaaaagggt gggactctct gaaagtgaag ttgagccatc 840
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accatgcaga cacacatgcc tgtgtgatgg ctgtgtgaag tattttcagc agtgcccaat 960
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caaacccgaag actctttgaa gacatcgtaa cactgaaaag tacactttct actaaagatg 1080
cagaaattga tgatcttgga attcatcata acatggaatc tacagtactg accatcaatg 1140
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<210> 1946

<211> 1587

<212> DNA

<213> Homo sapiens

<400> 1946

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1225

<210> 1947
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<400> 1947
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<210> 1948
 <211> 1250
 <212> DNA
 <213> Homo sapiens

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1226

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<210> 1949

<211> 2154

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

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<222> (2152)

<223> n equals a,t,g, or c

<400> 1949

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1227

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<210> 1950

<211> 652

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1228

<220>
 <221> misc feature
 <222> (599)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (630)
 <223> n equals a,t,g, or c

<400> 1950
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<210> 1951
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (448)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<400> 1951
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 tggcccccaa aagattgcag ccaaattgtg tctcctcctt gcctgcccc aaggattcaa 180
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<210> 1952
 <211> 755
 <212> DNA

1229

<213> Homo sapiens

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 1952

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<210> 1953

<211> 1022

<212> DNA

<213> Homo sapiens

<400> 1953

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<210> 1954

<211> 1776

<212> DNA

<213> Homo sapiens

1230

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 1954
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aaaaaaaaaa aaaaaaaaaa aaaaaagggc ggccgc 1776

<210> 1955
<211> 1129
<212> DNA

1231

<213> Homo sapiens

<400> 1955

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<210> 1956

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1956

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<210> 1957

<211> 923

<212> DNA

<213> Homo sapiens

<400> 1957

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1232

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<210> 1958

<211> 1757

<212> DNA

<213> Homo sapiens

<400> 1958

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<210> 1959

<211> 2856

<212> DNA

<213> Homo sapiens

<400> 1959

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1233

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<210> 1960

<211> 1720

<212> DNA

1234

<213> Homo sapiens

<400> 1960

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<210> 1961

<211> 2854

<212> DNA

<213> Homo sapiens

<400> 1961

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1235

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<210> 1962

<211> 4087

<212> DNA

<213> Homo sapiens

<400> 1962

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1236

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ttaactcata	attgtacact	ataatataag	cctaagtttt	tattcataag	ttttattgaa	2100
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tgaagatgat	ttgaagctct	aatttatata	gtcacctata	aaatgttctt	tatatgtgtt	3480
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1237

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tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
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taccctgtgc ctcatatttc aatagtactg taatatggac atcttttgtg aaatactttt 3960
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<210> 1963

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (744)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 1963

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cggggggtcat cttcttctctg gccctgctgc tgtgcattgc gcttctkctg tctactcca 60
tccacctcct gctgacctgt gctggattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcatc gtcagtgtgt taatcatcct gcccctcgcc ctcatgaaac acttgggcta 180
cctgggggtac accagtggtc tctctctgac ctgcatgctg ttttctcttg tttcgggtcat 240

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1238

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ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
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agttgactca cagatgtcct acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccatttg ggccatgttc tgcattgtatg 540
ggctcacagc aaccttttga tacctcacct tctacagcag tgtgaaggcg gagatgctgc 600
acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgaccctt cactgtgcca gtcgtgctgg ttccatcccg ccgggccctg gaagcaactg 720
cttttcccag gcaagggcct ttancttggc cagcacattg tnggccatta gcntttgaat 780
ccttgctttg ntttgggtca n 801

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<210> 1964

<211> 1626

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1607)

<223> n equals a,t,g, or c

<400> 1964

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cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
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catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgcccag tagttctctg ggggtggcct gaggtgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ctttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtgcgagaac tgacttacaa ttatggcgtc ggagactaca 360
agcttggcaa tgactttatg ggaatcacgc tcgcttctag ccaggctgtc agcaacgcca 420
ggaagctgga gtggccactg acggaagtgt cagaagggtg ttttgaaacc gaggcccccg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
taactctagc agtgtctgat cttcaaaagt cttgaaacta ctggtgtaat ctactgggaa 600
tgaaaattta tgaaaaagat gaagaaaagc aaagggcttt gctgggctat gctgataacc 660
aggtgagcaa tcttggagaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
tataaatggc ttataacctt tataaatgaa gttaacatga aggttggtcc catagtttct 780
tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtgataa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtggaat tgcttaatcc 900
aagagattga atggatttaa tgcaagatct ttttcatctt ctttttctaa taaccacgcg 960
tttgagcacg atttagtcct tgcactttga ccttgcaatt ctactcctag gaattatttt 1020
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tctttatgta ttgacatggg aacattaagt ggagaaaaac aaggaacaga ataattttgta 1260
aattatacca ccatttgtgt aaaaaaaaaa acatagatgc gtgcagtgc tctagaagga 1320
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tactttattc ctttagtata taatatttga atttttctac cacatacgtg taatgaatgt 1440
ataacctgtc caaaaaataa ccccttttcc ytttcagtgt agstggagct acagggcgtc 1500
aaggggtggg tggaccatgc agcagctttt ggaagaattg ctttctcttg ccccagaaa 1560
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gaactt 1626

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1239

<210> 1965
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1965
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgcgg accagggaga ccccgcgccc ccccggtgtg gaggcggcct cacagggccg 120
ggtgggcttg cgagccgacg cggcggcgga ggaggctgtg aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttgctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgccctgaag 300
tgccctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcacccga 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480
aagatgggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggangaa ccctgtngaa gacagaatcc ccagaggaat gtntattgaa 590

<210> 1966
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

1240

<220>
 <221> misc feature
 <222> (81)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1964)
 <223> n equals a,t,g, or c

<400> 1966
 nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60
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 ggtttcccga ctggaaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
 attaggcacc ccaggcttta cactttatgc ttccggctcg tatgttgtgt ggaattgtga 240
 gcggataaca atttcacaca ggaaacagct atgaccatga ttacgccaag ctctaatacg 300
 actcactata gggaaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc 360
 cacgcgtccg actagttcta gatcgcgatc tagaactagt cccacgcgt ccgcttgaag 420
 cacagggtgag ggatcctggc ccacagcctc agccccactc tgcctctcca cagggtgcaa 480
 gaggagtgcc ctttcgggtc cttcggcttc cagtgtcac agcgtgtga ctgccacaat 540
 gggggggcagt gttcacccac caegggtgcc tgcgagtgtg agcctggcta caagggccca 600
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 ccctgtgacg ctgacaacac catcagctgc caccagtaa ctggagcttg tacctgccag 720
 ccaggctggt ctgggtacca ctgcaatgaa tcctgccctg ttggctacta tggcgatggc 780
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 caccatccct aatccctccc catatgcttt cctgacttga cctcagaatc cttcacaata 1800
 ccgactccaa gaactgctac cactcagcag gagttgaaaa gagatataaa gcttattttgc 1860
 attggtgttc caccctacca gctctttgtg ggggaaaaaac cctgatctgt aacatctgca 1920
 gattttttaa atataaatat tcctaccaa aaaaaaaaaa aaanaaaaaa 1970

<210> 1967
 <211> 1222
 <212> DNA
 <213> Homo sapiens

1241

<220>
 <221> misc feature
 <222> (1198)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1199)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1219)
 <223> n equals a,t,g, or c

<400> 1967
 gcctgggttc ccascgggtt cscagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
 gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaaacgta atattggcct 120
 tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180
 agggcgccas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
 aggagcccaa agccctaccc tcaccattca ccaggtcctg tgggaagagc agcgtggagr 300
 tgggctgagg ttagaagggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
 tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
 tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcaggtgctg ctgttccttc 480
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 atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
 tttgtgctgc agcagggagg atgggtgcc ctatggctgc catcaatagc atctacagca 660
 aactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
 gaaaatggat tgaacattcc aaactgagag aaataaactt taaaatcgtg gaattcaacc 780
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 aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
 tgacagaatg gaagcaccar cgcacacca agcaattgga gaaaggatgc aaaagaanng 1200
 gaggaaaacc tttttgcang tt 1222

<210> 1968
 <211> 1438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (7)

1242

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1424)

<223> n equals a,t,g, or c

<400> 1968

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nccccggnctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtggag atatcatctc 120
ccttttagtta aaatggctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatac tgttgggtgta catagtgggt gaaccactat ggagaacaat 240
ttggaagttc ctcaaaaaaa caaaaaatag agctaccata tgacccagca atcccactgt 300
tggttatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga tttgaaggca acctaagtgt ccatcaacag 420
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aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
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gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga ttttaagaca aaaatctata 1260
agaagagaca aagaaggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaatttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

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1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

agctcgtgct aaacctcttt tctttataaa ttaccacagtg atgtgggttg gctgtgtccc 60
cacccaaaatc tcatcttgaa ttccctacgtg ttgtggggagg gacccagtg taggtaattg 120
aatcatggcg gcaggctctt cccttgctat tctcgtgatc atgaataagt ctcatgagat 180
ctgatgattt taaatactgg agtttcccct gcacaagctc tctctttgcc tgctgcccagc 240
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acgtggaaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaat atgtgaaaagc gacttttgga ctgggtaata ngcaaaaagg 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<400> 1970

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gtcccggaatt cccgggtcga cccacgcgct cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctgggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tgttgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaagggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

<210> 1971

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

1245

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 1971

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gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctaccat aaaccatgaa 60
aggattcaaa gttcatagtt ctttctttgt tcctttgtta atnactgact tcnnactagt 120
gggagggtgcc tccaagttt gctaatacat tctttttgga taaggatgac gcacagattg 180
tcctaataag gacttagatt gagaaaagacc gccccctctg agaagagggg acaagtcaga 240
gagagggcg gcatgtttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
taattgggtt aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
ctgaggacta actcttttgc tggaagcggg ttctgattta cagctcttgg tttctcccag 480
acatgttggg gggagagatt ttgggtttta aggggttgtt agatggagta aatttttctt 540
ttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
tataatttat tcctcttcct atccaatccc tgccctttga gtccagggtg taagtacatt 660
ttctttaacg ttttctctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
cctgcttcca gtgctgtccc cggcataggt ccatctctgc agaagccatt tcaggagtac 780
ctggaggctc aacggcgagaa gcttcaccac aaaagcgaaa tgggcacacc acagggagaa 840
aactggttgt cctggatgtt tgaaaagtgt gtcgttgtca tgggtgtgta cttcatccta 900
tctatcatta actccatggc acaaagtatt gccaaacgaa tccagcagcg gttgaactca 960
gaggagaaaa ctaataaagt agagaaagt tttaaactgca gaaattggag tggatgggtt 1020
ctgccttaaa ttggggaggac tccaagccgg gaaggaaaat tcccttttcc aacctgtatc 1080
aatttttaca acttttttcc tgaaagcagt ttagtccata ctttgcactg acat 1134
```

<210> 1972

<211> 451

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (414)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (447)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

1246

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1972

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gcggnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
accaggtcc gaaggggcac tgccactgtg gggggcatgg ccattcctcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcggggccacc cccccacccat ggtccagggc 180
cctgcgggcc accccctggc catggcccag ggccctgcgg gccaccccccc caccatgggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccacccccct ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaa n 451

```

<210> 1973

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<400> 1973

```

aagagaaaga tgctactgtc tctaattctcc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctgcgggcag 120
ccccgacaga gtgtctggaa caggtgattg gaggagccgg agaccagggc acctgggcat 180
ccttccccctc gcctctgccca ggccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240

```

1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggagggtg ctggctggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caagggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcgggtg gccatcatat 480
tactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtggg 540
acaagacact atctgtggag tgtctggggg cccgcctcaa cgacatcagt ctgggagaac 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cacgagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctctgggsc cctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcga ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgtcc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat cctgcacac ccacgaccat 1020
gctgcsgcgc agtgccctact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacacccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gccacaggt gacgggtatg gggcaagccc agggcagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtctggc gagcaccgat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn 1385

```

<210> 1974

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 1974

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tacgccncca ggccccggtc cggaattccc gggctcgacc acgcgtccgc tttaaccaga 60
cagctcagac ctgtatggag gctgccagtg acagggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actcgcagc aggttcttcg ggcttcgcag ggaaagagtg 240
tcacctgccc ctgcacctac cacacttcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg tggctcatctg gccgttttca aacaaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtcgg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtgttctgt 480
ctcgtgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggcctcgt 540
gccacctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccasccacct caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc 748

```

<210> 1975

<211> 771

<212> DNA

<213> Homo sapiens

1248

<400> 1975

```

ggccacgagg tacgtcccgg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaaagaacc gggcggcccg agtacgcgta agcaaggggg 180
acaagccggg gacctacgag gaggcacacg cgccgcacta catcgcccac cgtaaagggt 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacgggtg 300
aggatgtttt ccttcgcaag ttcatgtggg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa gcgccggggg aaccagttgg agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctcggtgggt acagtgaaac tttgctgtcc tactttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttgtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggatatg gggggaaatg catcccctca gaggactgag gcatagtctc tcatctgcta 660
ttgaataaag accttctatc ttgaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771

```

<210> 1976

<211> 1712

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1692)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1697)

<223> n equals a,t,g, or c

<400> 1976

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ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccact ggaaagcggg 60
cagtgagcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gacctgatt acgccaagct ctaatacgac tcactatagg gaaagctggg 240
acgcctgcag gtaccgggtc ggaattcccg ggtcgaccca cgctccggg ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtccctggta gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcac gggtgcctgt 540
cggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aacctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggg gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcgggt agtcctgagg 780
agaggttctg gaatgcatct ggggcggcct ttgtgacagt ccaggagcag gggcagggtg 840
caggggcgtt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900

```

1249

```

gtgccatcaa tgagaagaca aaggggccctc tggccccggtt ctccatcggc tttgccgtca 960
ccgtggatat cctggctggg ggcctgtgt ctggaggctg catgaatccc gcccggtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctggggccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggaagaccc 1140
gcctcatcct gaaggctcag tgaagcagag ctctgaggat tctgctgct ccagggtgtcc 1200
tcagctcacc tgteccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gccagagga gcgacccctt gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctaggttc ttggaattcc tttgtgctca tcagagaccc cagcctgggg 1380
aacacgctgc ccgactgcc cagagagcag tgcaaacacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttccgc 1500
accccatttc ttktttgatt gctttgttgg gggcctggcc acttccctgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaangg gnggccnttt taaaggatcc aa 1712

```

<210> 1977

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggaggggtg cgagggggcg ccaggacccg cagccccggg gccgggcccg 120
tccggaccgc cagggagggc aggtcagtgg gcagatcgcg tccgcgggat tcaatctctg 180
cccgtcttga taacagtcct tttccctggc gctcacttcg tgcttggcac ccggtggggc 240
gcctcaagac cgttgtctct tcgatcgctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaagg gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

```

<210> 1978

<211> 4485

<212> DNA

<213> Homo sapiens

<400> 1978

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gtaacttctc gggaagatga ggcagtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cgggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccaactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattgggtg aggtgctatc 300
tcggagacac atgaagggtg catttttttg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagtttctcc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaaagattt 540

```


1250

```

gaaagctggc tgtcttgtag gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaataat 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgcctaatac aaaactcttt ctttggttgg agaaagcata atcttctatt tttatccttt 1140
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ggaaagtga gaaaaggagc ccctgcaaaa tgatttgtaa gaattgagaa ttaaagattg 1260
taatttattc cttattctta tttttatgta ttttatataa ataagaaact gtgtttcaat 1320
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ttatatttat atactgtgtt accacatgtc cattctccat attttgtgcc aaacattcta 1560
aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
agtgcctgag tggtagatgg ggagggaggg tagtttctta tgttgcatg taagtgtttt 1680
tattcagaga cattaaaact caccctacat ttgactgaat agttcttttag atattaacct 1740
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gtgacttcag cattgaagaa acctcagctt gtaattattc ttataagtag taactgcttt 1860
aatgtaaaag ggacatgaat gttgagtata cttggcagga tttttaaaat aaaaaatgtg 1920
cttactatct ctcatcttta atttggtgag agaaaaaagg ttattagaca gatgaagaca 1980
aactggaaga aagcaaatcc actgccagct atctcgataa gatctaattg ttcagaggct 2040
actggattat cagtagatgt cctctcaagc caagctatag gatacgtgaa gtccccgtta 2100
ctcaaagact attgtttgtt ttttttcttt tccttttgc ttcaccaaag ggttgatgct 2160
ctcctcacct cttttttctc ttaaagaaat gggatctccc tctgttatcc aggctggagt 2220
gcagttgggc aatcatagcg cattgcagcc tcgaactcct gggctcaaat ggtcctccca 2280
cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
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agcctagctg atcatcagaa tcacatgacg tgcttttagag aaccacaggc tcctgacct 2640
tcctatcccc aacccagat ccagggggtt ggggttggc taggaatcta tatacatata 2700
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tggratgtcc agcttttagag tttgaaaatt taaagtctga aatatctaaa atgagaatca 2940
gttaaaaatt atttgaattt ttccaaacaa tcagctgggc aaaaaatatt atgtctgaat 3000
gtattaaaaa gagacaaaac attttttgtt aattaattac attgaaagtt ttagtcagct 3060
ttattccaaa actggtattt gttacttctt aagtcagttt tggtaatttc tgatttctta 3120
gaaattggtg tatttctgaa catttataat ttagtagcat aaaattgttt gttttgaatc 3180
tcttgtttct cacttctata tttaaatata aatatatata tacatatata tacacacaca 3240
gacctttaat gggtttgcca atgatttatc atccaaagac acagccccag ctcttatgta 3300
atztatcact taataaataat catttttggg gtttcattca ctaagttctt tttttttttt 3360
tttttttttt tgagacagag tctcgtctct tcgccgccag gctggaatga gggagtgaat 3420
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cctcagcttc cctagtagct gggactacag gggcacacca ctacatccgg ctaattttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggctctcat ctctgacct 3600

```

1251

```

catgatccac ccgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tcgtctttaa cattgtttac gttgaagatg cattggtttt tgcttattct 3720
taaagaaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaaggttt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga cttttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttcttgg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaatg gatctaagta ttttaaacat ttagaatact aatttaagca aggcttgaaa 4140
attaaatgga gtaaaagcaa taaaaaaaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcagggt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatggtga gctatggagg taccactgtg ctccaacctg 4440
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```

<210> 1979

<211> 2486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2465)

<223> n equals a,t,g, or c

1252

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 1979

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ngnacgttna tcttccaagg nccactata gaaggtagcg ctgcaggtag cgggtccggaa 60
ttcccggtcg acccacgcgt ccgcggacgc gtggggcgac gcgtgggcgc agccccggag 120
cccgggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgccgt cttagcgcgcc gacctcgcca ccatgagagc cctgctggcg cgcctgcttc 240
tctgcgtcct ggtcgtgagc gactccaaag gcagcaatga acttcatcaa gttccatcga 300
actgtgactg tctaaatgga ggaacatgtg tgtccaacaa gtacttctcc aacattcact 360
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gacctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atgggtgcatg 660
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gaggcagcct catcagccct tgctgggtga tcagcgccac aactgcttc attgattacc 900
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cctctgaggg tccccaggga ggaaacgggc accaccgct ttcttgctgg ttgtcatttt 1560
tgcagtagag tcatctccat cagctgtaag aagagactgg gaagataggc tctgcacaga 1620
tggatttgcc tgtgccaccc accaggyga acgacaatag ctttaccctc aggcataaggc 1680
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gttactgacc agcaacttgt ctttttctgg actgaagcct gcaggagtta aaaagggcag 1800
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gcccattggt gagaaatgaa taatttccca attaggaagt gtaacagctg aggtctcttg 1920
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tataggtcac tcttggggcc tcttgggtcc cccacgtgac agtgccctgg aatgtattat 2220
tctgcagcat gacctgtgac cagcactgtc tcagtttcac ttccacatag atgtcccttt 2280
cttggccagt tatcccttcc ttttagccta gttcatccaa tctcactgg gtggggtgag 2340
gaccactcct tacactgaat atttatattt cactattttt atttatattt ttgtaatttt 2400
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ggggnccggn accaattcgc cctaaa 2486

```

<210> 1980

<211> 915

1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (825)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (848)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1980

ggagcgcaac gcaattaatg tgagtttagct cactcattag gcaccccagg ctttacactt 60
tatgtctccg gctcgtatgt tgtgtggaat tgtgagcggg taacaatttc ncacaggaaa 120
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtggg tcccccgkkc tgcaggaatt 240
cggcaccgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattcccct cctcctgtcg tgtgcctttg 420

1254

```

ttcaggtggg gatgtatttc atgtagaagg tggaagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgaggggggg cccggtagcc aattcgccct atagtgagtc 600
gtattacaat tcaactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgccg cacatccccc tttegccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgcctttcaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

<210> 1981

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 1981

```

ggaaaaatctt ctgacactat ntaaggnaag cctgcnggta ccggtccgga attccccgggt 60
cgacccacgc gtccggggaa gctcgtggcg ctggctcctgc tgggggtcgg cctgtcctta 120
gtcgggggaga tgttcctggc gtttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcca ccttattgag gaacttgaaa gtggctctga agatattgat 240
atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggt atacctgaaa 540
actataaaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcc aagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggagggtta agtgggtggc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaaac atgataactg ggatttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tcttgccaca 900
ggagacattt tggcaggatg ccatccta at cctatgaagc tactgaacta taaccctgag 960
gaccctccag gatcagaagt acttcgcac cagaatgttt tgtctgagaa gccaggggtg 1020
agcaccgtgt atgccaacaa tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtattt cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaagtct acatattttg taaaagtaaa ctgataattg 1200

```

1255

tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260
 tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
 taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
 ttctacaata aaacatgtgg actatgtcca gtgaggcttc cgactca 1427

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
 tggatggacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120
 ggccccagcc tgctcatagg ttcttggtcc tgaagatcat ggctatgctc accgagctcc 180
 gcagcatcaa tgctcagcac acccagcggc tgctgcgcat ccaggacata cacccttttg 240
 ctacgcccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300

1256

```

gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc ccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggctcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gncccaacaa taccacacnt tttgggttcg g 711

```

<210> 1983

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1983

```

aaaasgtmac gctgacagg tmaccggatc cggaattcc cgggtcgacc cacggcgctcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tgttgtgggg agggggtcgg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttntgtcat cactgttccc tctcctccc agtgtgcatt cagttaatat 360
aatcagttgc ttgntctttt caaagtgcct tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagttttaga gaatggaata agcngtctgg aagatagcta gcg 523

```

<210> 1984

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1257

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 1984

```
atctactagg agtcaggggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60
tggttaagaac ctaggatttg aattcccage ctggccaacc cttgcagcca tgtcttggcc 120
tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttgggg tgggcctgag 180
cctctttcct gctagagctc ttggctcctc ctgcctccac caccatccc tgctctgcag 240
aaccctggg tgctgagtg caggagcccc agggttgtcc catctgggta tggctggctg 300
ggtcactaac ttctgtgatc tgcttcttc ctttccagat tatgcggatc aaacctcacc 360
aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420
agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464
```

<210> 1985

<211> 1233

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (135)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (163)

1258

<223> n equals a,t,g, or c

<400> 1985

```

atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgcgt tatccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcggaaagag cgcccaatac gcaaaccgcc tctccccgc gcgttgccg atttcattaa 240
tgcagctggc acgacagggt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagttagc tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggccgctcta gaactagtgg atccccggg ctgcaggaat tcggcacgag catggttgtt 540
gcaaaacttt cttctatttc ttctcctcct ggtattctca ttactctgtt tcaccttgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctcagagatt ctttactcag ctgagtccag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttacccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaaattgt atttttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytggt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat acttttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaac tcgagggggg 1200
gcccgcacca attcgcccta ctacgtgcgt cga 1233

```

<210> 1986

<211> 1583

<212> DNA

<213> Homo sapiens

<400> 1986

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ctgtcggctc acctccgagc cacctctgct gcgcaccgca gcctcggacc tacagcccag 60
gatactttgg gacttgccgg cgctcagaaa cgcgccaga cggccctcc accttttgtt 120
tgcctaggggt cgccgagagc gcccgagggg aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttact 240
ggaggggtcg atttgtgtgt agtttgggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgccggc gccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtctgg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg ccctgtccgc ggccttgagc 660
gccactcgag ccctaattgg ggtctccctg gtgctgggct tcctggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgata 780
gccatgggtg gaggcataat ttcatcgtg gcaggtcttg ccgccttggg agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcaccc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctccctgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200

```

1259

```

tctctcttggg ttgggggtgg ggggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc ccttcagggc 1320
ctctgctttc ctcccggtcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc ccactgactc cactgacaat tgactaaaag atgcagggtgc 1440
tcgtatctcg acattcattc ccacccccct cttattttaa tagctacca agtacttctt 1500
ttttaataaaa aaaataaaga tttttattag gtataaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa                                     1583

```

<210> 1987

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1987

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tgaaaaccat ccgtctgcc a cgtggctgg cccccagccc ccaacctcca tctgcagga 60
gggtccgaag tgcttttct ctaaccagat tctgtcttct ctccagcagc ctgccccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggcctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcaactgg gctggtggcc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaaca actgggcttc gggacagtgg g                                     521

```

<210> 1988

<211> 346

<212> DNA

<213> Homo sapiens

<400> 1988

```

gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtaaa atgtcaaaaca ttacttactt catacttttt tctccaatc tttattttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcacagar ttagtgttct 240
ggaaggaaag cagcagggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tyectaccta cctggaaaga mgtccccccc ccccc                                     346

```

<210> 1989

<211> 952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (944)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (945)

<223> n equals a,t,g, or c

1260

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<400> 1989

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ggcacgagggc cctcgcggcc tggccccgcc ggcgccggcg cgcgcgccgc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacggggcca ccgtccctag gctacacca gggaaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gaccacgta 300
cgcaggggagc aagagtgcc tggagaggct gaagcgcggc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat ggttacagtt tcgtttttcc tcccatgggt cacttggtctc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgcagcacg ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttntnaga gg 952
```

<210> 1990

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1261

<222> (357)

<223> n equals a,t,g, or c

<400> 1990

```
atnancctc actaaaggga acaaaagcng gngctccac cgcggtgctg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttctt gagtactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                           606
```

<210> 1991

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (905)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (940)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1031)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1056)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1080)

<223> n equals a,t,g, or c

1262

<400> 1991

```
tcgacccacg cgccccgtgc agtacgagct gtgggcccgc ctgcctggcg cctccgggggt 60
cgccctggcc tgctgcttcg tggcggcggc cgtggccctg cgctgggtccg ggcgccggac 120
ggcgggtggcg cgggtgggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcggcgc accttccggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gccctgcct cagctgggtgc agaagttaca cagtagagag ctggcccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaagg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgcccg cggagtgcga cagcgtagt gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccccctc ttggccaga ccgtgaaccc atggaagtcc tccaaaagcc cagggggytc 660
ctcagggggt gaaggggccc tcatcggtc tggaggytc cccctgggyt taggcactga 720
tateggaggc agcatccgyt tccccctc cttctgcggc atctgcggcc tcaagcccac 780
agggaaacccg mctcaatgcg tctctcgtg ggcccatgg cccgggacgt ggaaaagcct 840
ggcacttgtg cctgcgaacc ctgcttggtc caaggacatg tttccgcttg gacccaatgt 900
gcctnccctg cccttnaaga agaggtctac accaagtttn aaccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcgggtgn 1080
aattggaatt gaacaat 1097
```

<210> 1992

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (745)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

1263

<400> 1992

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ncnaaattaa ccctcactaa agggaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatcccc gggtgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttg aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaa agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagtgt tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctgg agaattctgt accaagctca ctttggetga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtgca ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta 903
```

<210> 1993

<211> 2999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 1993

```
ttttttttta ttttttgggt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgatcggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcattgccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtct cgaagcacag ccagcgaaaag 240
ganaaaactct gaaacggaca agatggctgc cacctcttcg cgcctcttag tccccccac 300
tcagggcgga ggtctgcgtc atgtgacctt ccccttcttg gctccgctcc taccgcagt 360
cttgacggga ggcggacggg gaacgaggcc gtccggcattt tgtgtctgct tcctgtggga 420
cgtgggtggt gccgttgggt tgggaaagtg agggattttt ggccctcggtt ctccctgttc 480
ttttctctc ccttttactt tgccggtaga acacagttat gggctcgcaag aagaagaagc 540
agctgaagcc gtgggtgctgg tattgtaata gagattttga tgatgagaag atccttattc 600
agcaccacaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggccttagc tattcattgc atgcagggtac ataaagaaac aatagatgcc gtaccaaagt 720
```

1264

```

caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata caccagtgca ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
tgccacctgg accaggaata ccacctctga tgccctggaat gccaccagggt atgccccac 1200
ctgttccacg tcctggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
ttcttaatag accacctgca ccaacagcaa ctgtacctgc cccacagcct ccagttacta 1320
agcctctttt cccagtgct ggacaggctc aggcagctgt ccaaggacct gttggtacag 1380
atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacatttc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggttc aataacaagt aagcctgcta cacttacaac aactagtgc accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tcctcggcca ggacaggccc ccctcggtta tccaccagtt ggaccaattg 1680
gaggtatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
cacctcatgg tcagtatggt ggtcatcatc aaggcatgcc aggatacctt cctggtgcta 1800
tgcccccgta tgggcaggga ccgccaatgg tgccccctta ccagggtggg cctcctcgac 1860
ctccgatggg aatgagacct cctgtaatgt cgcaagggtg ccgttactga tcttacttca 1920
tccagtctaa taggtttgga gattaaacct tttctcaact tgtgtgtttt atatagccaa 1980
gcttccgtca ataaggttc attgtgactt taacaaacat tatcttccca cataccagga 2040
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cctgaagttg caattttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaattttg ttcgttaaat tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaatgt atttagagtt 2400
cctcatgttg cagggtttta gaaatctgac ccaccaaggt catgtgactt ttctgtactg 2460
ttaaacttca ttgtaataaa atgagagaaa aatttatgcc tttttattca taaccagct 2520
gtggaccact gcctgaaagg tttgtacaga tgcattgccac agtagatgtc cacataataa 2580
aattcatagt taccaatgca gtttanatat atcattggat tctgtctttg agttgtaggt 2640
tatttcttag ctgcatgttt taaactgaat ttgcatagag ttgtatgtta atgtttcagt 2700
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cccttccacc ctctatgggt tcagtacaca tcacgtgtca tagatactta aaatgtaaat 2820
gttaacactt ttccttcctg ctgagatgtt tagagcctag tgccagaccc attcatttcc 2880
ttttgattat ttttgagact cagtactagc ttcttgtgct gttaatgggt tattatata 2940
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatggtt aacagntga 2999

```

<210> 1994

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1265

<222> (332)

<223> n equals a,t,g, or c

<400> 1994

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gcacaccgcg ctyagegcct tcaactgccat ccccgctgtc ettgccgccc ccgccatggg 60
cctagagctg tttcttgacc tgggtgtcca gccagccgc gccgtctaca tcttcgcca 120
gaagaatggc atcccccttag agctgcgcac cgtggatttt gtcaaagggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgca mccccagggc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttgaggg gatcacagnc tntctgaa 338

```

<210> 1995

<211> 2346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2344)

<223> n equals a,t,g, or c

<400> 1995

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ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcgggaact cggcggccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggt gtaataccac aggaaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatccagct tcagctccta cttcctcttc 300
ttcttcagcg tttcgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatgttgat gtggtacttg aagacacctg 420
tactgttggg gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaac ttcattgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagaggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccgttcgc caccaattat gggagggctg 780
gccaaacttc gctacagacg actcaatgtg tcttgctgaa tcagggctct cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccgggaac agtcggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcattctgcct tgagaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatggtg attgccatcc tgtatttttt attgggtcat tagaagctgc 1140

```


1266

```

ttttcaagag gccttctatg tgaaagcccc agatagaaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacia atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaacctat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgtttgga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcggtt cctggccagc aacaagctcc agattgtctt 1860
tgattttgta gttcccaaag gatttccatg ggatgagtac aagtactga gcacctttcc 1920
taggagagac gtaactcaac tggacccaaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaacc cttttccttg aagcaaaaaga gttaaaccgg cccagcgggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgctgcagg agaagggtc ctcgccaacc caccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttcccta ccctgcact tnaccttct tcaatgacga 2280
atgcattggt caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

```

<210> 1996

<211> 2021

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1996

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gcccacgcgt ncgcccacgc gtccggcaag aggctgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttctcca ctgctgctgc tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgctca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggtg gaccaacaat ttcagagagt acaacttaca 720
tcgtgttgcg gctcatgaac tcggccattc tcttggaactc tcccattcta ctgatatcgg 780
ggctttgatg tacctagct acaccttcag tggatgattt cagctagctc aggatgacat 840
tgatggcatc caagccatat atggacgttc ccaaaatect gtccagccca tcggcccaca 900
aaccceaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

```

1267

```

atttgccgac agagatgaag tccggttttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcattttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2021

```

<210> 1997

<211> 1955

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 1997

```

ccggcttccc aggcagaaga gtcganaaaa gctgtctttt tctcacgtca cccagcncag 60
gctcattaag ttcttcance tcttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggg tattaaccag tagtgtggaa atactagttt tatgtggcca 180

```

1268

```

aggaaaagca aaggccttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta gggtgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttta tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggg tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcttt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctcgttccat attggatatct tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt ccctctttct aatctttgtt ccttctccct acaccctcat 840
cctctttcac tcttccttca taattcctct aagaaaaata tctttgcac agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccaa catacaggct tcagatttac 960
ttctgagtc aaacaatttt gtgctatcca gggtagttaa ctctgggtta aacaagtaca 1020
gggtatagat tccctcttca ggtctacaca ggaattttta ccatagggaa aagtggggag 1080
agctcaaacg tagttaataa ggaaggtaat ttgtttttct tttacctaaa agaaaagaaa 1140
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taagagtgtt gtggcctatt gataaaaaa attttgttca gtttcttgtc ttgaaaaaaa 1260
agtggcctta gctttttgca atacttgaat aaagtgtgta ctcgcaaaaag aatttctgta 1320
gcacagcatt agagactcat aacttttctg caagaaatac aaacttacat cttcctttta 1380
ctaccttaag aatactagt aataaaacat taattcaaag agcaaattat agaaactaca 1440
atgacattta atgcaaatg taggaattta catgtttaca aatcatcttc aactggttgt 1500
gcagcaattc aataaaatat ctttgtatta taaaaatgtg aagaaaaaat gtaaaactgat 1560
gtaaaggagg tactgtcatt ttaattaacc tatgtttaat agcttttcct tctggacttt 1620
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aagggtgtgg tttgtaagta cgatctgtaa aataactggg atgaattccc atgtatacct 1860
gtgtaaatag atttgtaaac tgaaatatac tttaagaaaag ataaaatctg taaataaaact 1920
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```

<210> 1998

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<400> 1998

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aaggccacgc ggcacatctt cctcatcagg cattcccagt accacgtgga tggctccctg 120
gagaaggacc gcaactctgac cccgctgggt cgggagcagg ctgaactcac tgggctccgc 180
tggcaagctt ggggttgaaa gttaataaaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctattggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggatc gaggcgcct tccggaacta catccaccgc 420
gcagatgccg ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
cgctacatcg tgtgcagagc actgcagttt cctcctgaag gctggctccg gctctccctc 540

```

1269

```

aataatggca gcatcaccca cctggtgata cgacccaacg gccgagttgc gctcaggacc 600
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ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaacc tgcaatgctg catctgggaa ctgacttggt accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaagggt aaagcgtctc acgcacaagt caggcctgtt 900
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atgaggaggg caccaggtt ctgttcacaa ctcaacttcac ttcatacatc cttttaattt 1080
cttaaaaccc tcttgtccct taaatatattg tcaattaaag attttctggc tgggcaaaaa 1140
aaaaaaaaaa aaagtttt 1158

```

<210> 1999

<211> 1127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<400> 1999

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tgtcacagac tacttcatca gtcgcttata tggagctggg accaaggttt ctgccaggcc 60
ttgggatcag ctcttggggg tcagagcagc cttcccatat cctctggcac tgctgaactt 120
ttgcagcagc tctttcctcc tctyttggat gcccttcgag agcccagggt acgacggatt 180
tnctgccagc ctgcagatcc tgcgcctgtc gccctagggt tctgtaccct tcagaccacc 240
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agctgactgc acagatccag ctctgcctg aagagtcact aagtgtcttt tctcaagaat 480
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ttcgtctctg tcttggaaact cctcatccca gcttctcctt ccagagttcc aaggggaacc 600
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gcaaggattg caagggttgc cacctcaagc ccaggccctt gcccttggtc aggctctgac 720
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gctgtgtctg ttgcagmagc ccytgcccaa gttcaagtcc acaggaggcc ccctgttgtt 1080
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```

<210> 2000

<211> 478

<212> DNA

1270

<213> Homo sapiens

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 2000

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aagaaggagc tcagccacta tctccccacc gagccagctc agcgggcagg gctgggaggg 60
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ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
aggcagtcac tgtcctgggt gaaaacttct acaaatatgt gtctaagtac agcctgggtca 300
agaacaagat cagcaagagc agcttccgcg agatgtctca gaaagagctg aaccacatgc 360
tgtcgcattg ctgaccctgc ttcttcccca ggacacaggg aaccggaagg ctgcggataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcac agcttcgatg agtactgg 478

```

<210> 2001

<211> 1261

<212> DNA

<213> Homo sapiens

<400> 2001

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cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
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cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg cttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
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cagagctgga actggctctg ttcttggttc aggagcctca tgtgtggggc cagaccaccc 540
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cctgtgccag actaagatgc tcccttcatg cttccctgct ggtgggtgact ctcaaccctg 780
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a 1261

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<210> 2002

<211> 1531

<212> DNA

<213> Homo sapiens

1271

<220>
<221> misc feature
<222> (1524)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1530)
<223> n equals a,t,g, or c

<400> 2002
aaattgcaaa aggtaaatatt actagtgttt catacggaca ttttcagaca ccatttttct 60
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aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180
aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240
gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300
actggattga aggcagagaa ggaaggagg agggaatgat tcaaggccaa aatggccaca 360
tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420
tgtgtatgtg gtggacaagt tatatgaaat atctagtcct tctagatatt tggaagtgtc 480
tgatgtattt aaaagtggta gtagaataac actttgtaaa tagcttttaa aaactgatgg 540
gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600
aaatgggtgt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660
catgcatttc atttaacttt gctatactgt atatattgta tatataacgg acaaattagt 720
cccgatttta taatatctag tctctagata ttaaagaggt tgccaatgta tgacagaagt 780
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<210> 2003
<211> 2333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2018)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2044)

1272

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2003

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acctgtaatg taatgcaagt ccctaactc cctgggtgct aacattaact tccttaagta 120
ataatcaatg aaagaaattc tatgcatggt tttgaaataa tgccttgaa agaggaaatca 180
ccattaggaa aggtgagtcg gggtcctttg tttaatgtga ctagtggctc atcatcacca 240
gtgacctggg tgggcctact ctcttccag aacctgcatt gcttcccaga cctccccact 300
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aaaagtagct gttattttatt gtattttata agctaaaaac atttattttt gttgaatcga 480
aacaattcca tgtagcaatc ttttttctgt tcacgggtgtt tgtgatagaa ccttaaattc 540
cgcaagcatc agttttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aactttttata aacatgcctt ctctctattg aagacatctg 660
atattttttg tggaaagttg gatctatcct cagtaactct gccatggaat tcctgkttcc 720
tggttccaga aaaagaaaag attacatttc tgatcataaa gaatgtcttg catatgggga 780
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gctgctttat atgacatatg tgacatttga ttatttaaca cttgatgtga tctgcataaa 1620
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1273

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tcatatTTTgt acagtgatcg gcttcagtga tggTTTTTgt gggcatttat tgtgtgtgtg 1740
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TTTTgattta tatggTTTtac atTTTtcattg tgtgggccat atttcgttta tactgtttat 1860
Ttctcttcaa accttaataa ttataccata aagtgttaatt tttatagcaa tgcaaagtgc 1920
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agcgttaata ttttgttaaa attcgcgtta aatttttTgt aaatcagctc atttttttaa 2280
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<210> 2004

<211> 2399

<212> DNA

<213> Homo sapiens

<400> 2004

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ggcacgaggt agaaaccttg aaatTTTtaga aaacatcaat ttcattgccta atgttttTgcc 60
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agaaatgatt tttgttgctg ccacacttcc tactTTTTTgt tatgagctta aacctatgtc 180
ttgaacattt atatcaccat tcttgccct gaacacaaat gaatTTTTTta tctttatttt 240
atgtacatt tctatacaat taaatTTata ttttcaattg tttgtttTgt tgctcccat 300
gggagtcgtt aaagtgtaaa cagggcatag ggactgcaat taaccttgag aacaaaagaa 360
caatTTtatca ctttaccaaa caacaaaatt cactcttatt gtttaataatt cataataaag 420
gcagcaacta tcaattaaat tgagaacaga agtggcaaaa caggcacagt catcaaat 480
gcaatagcta actgctctat tctgaattat cagcagtagc tgagaactac ccaaaggTTT 540
gctgatggcc acagtacaga acgatttagt aattcacggc tgcattgtctg gtttgctcta 600
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1274

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ccatcagatt catgtaagac ttttattttg gtgatacttc tccacaacca tcgcactaca 2040
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<210> 2005

<211> 1916

<212> DNA

<213> Homo sapiens

<400> 2005

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gtgtgagagg cctctctgga agttgtcccg ggtgttcgcc gctggagccc gggtcgagag 60
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tcctaaccce acccaacctt gccagtcctc agccgccagc gcctgtccct gtcacggacc 180
ccagcgttac catgcacctt gccgtcttcc tatecttacc cgacctcaga tgctcccttc 240
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aagaatttcc aaatgaaaat caagtagtgt ttgccagagt tgatttgtat cagcactctg 480
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acagagaatt ccatcatgga cctgacccaa ctgatacagc cccaggagag caagcccaag 1320
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gttggatatt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

```

<210> 2006

<211> 1073

<212> DNA

<213> Homo sapiens

1275

<400> 2006

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cagggtgaca tcaaaggaca ggggtgcctc ttaagggtgac cttccagcca cagccctctt 1020
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```

<210> 2007

<211> 3711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 2007

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```

1276

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ctctacctcc caggttcaag caattcttgt gcctcagcyt cccaagtaac tgggactaca 1320
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gcgcgggagt agcgcgggta ccctgagcgg taggagcggg gctgtccctt ttatctaggc 3660
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```

<210> 2008

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1277

<222> (434)

<223> n equals a,t,g, or c

<400> 2008

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tggggcacctg ggtccgcaag gccgccatga ccagtctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtcttggtgg gggtagtcgt 420
gtccttgggc gttnaggatg acgatccgga ttcaccaagc ttttataa 468

```

<210> 2009

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2009

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catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
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aggacaattt aaccatcggt gctgggtatt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatcgaaag tgtcaggggc agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagaccagc ctttcgggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgctta 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaataa ccagtatgaa agtcggttgc cegtgaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839

```

<210> 2010

<211> 813

<212> DNA

<213> Homo sapiens

<400> 2010

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tcgacccacg cgtccggctc cccgagccct gccaacctat gtgaacttgg gtctgtcccg 60

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1278

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ggtggacgac gccgtggctg ccaagcacc cggactcggg gagtatgcc catgccagtc 120
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gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
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ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813
```

<210> 2011

<211> 994

<212> DNA

<213> Homo sapiens

<400> 2011

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gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgtgca 180
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gctggccgca gctgtcttca caaaggattt ggacaaggcc aattacctgt cccaggccct 300
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tgaagtgaag actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
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tccttgctg ctgaatatct gaaaagagaa atttttccca caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggttaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caattatatt accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaaacta gctgctctta aaaaaaaaaa aaaaggcgcg ccgctcgcga 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994
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<210> 2012

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (674)

1279

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (694)

<223> n equals a,t,g, or c

<400> 2012

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tgcagctagt gcaccgcccc tccgtccgct cgggtgctgca gggcctctc aaaaagcgcc 240
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tgaagtggcc catcaccttc cgcaggatcc agctccctgc ccgaggtcat gactgtcgcc 420
acatacagtg ctttgacctg gagtccgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
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<210> 2013

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1280

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 2013
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gatgcagaca gcccttgcca tgctgccac tgtcaggatg gaactgtgac atgtctccttg 180
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<210> 2014
<211> 2440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

1281

<220>
 <221> misc feature
 <222> (93)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2325)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2326)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2421)
 <223> n equals a,t,g, or c

<400> 2014
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 tccccgcgcg ttggccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
 gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattaggcac cccaggcttt 240
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1282

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<210> 2015

<211> 3302

<212> DNA

<213> Homo sapiens

<400> 2015

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1283

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<210> 2016

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2016

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<210> 2017

<211> 2056

1284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2038)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 2017

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<210> 2018

1285

<211> 1891

<212> DNA

<213> Homo sapiens

<400> 2018

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<210> 2019

<211> 3557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2779)

1286

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3557)

<223> n equals a,t,g, or c

<400> 2019

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1287

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<210> 2020

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2020

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1288

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gccgggcaga cctgtttggg gaggagctag agcggctttt gaaaargaaa tatgaaggcc 600
actggtaccc tgagaagcca ctgaaaggct ctggcttccg ctgtgttcac attggggaga 660
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tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
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ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599

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<210> 2021

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2348)

<223> n equals a,t,g, or c

<400> 2021

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ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttgggtg 180
tgagcagctt ctcaacatga actacagcct ccacytggcc ttcgtgtgtc tgagtctctt 240
cactgaragg atgtgcatcc aggggagtca gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
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ttcagagagt aacatggact acacagccac catatacctc cgacagcgct ggatggacca 480
gcggctggtg tttgaaggca acaagagctt cactctggat gccgcctcg tggagttcct 540
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gacaactggt gcatgtaaca tggatctgtc taaatacccc atggacacac agacatgcaa 720
gttgacagct gaaagctggg gctatgatgg aaatgatgtg gagttcacct ggctgagagg 780
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1289

```

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caacagctcc atctccagct ttaaaccgga gatcagcttt gccagcattg aaatttccag 1320
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ccgagaaaaag atgggcagga ttgttgatta tttcacaatt caaaaccca gtaatgttga 1440
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atactacatg tatttttgag tcaatgttaa atttcttgca tgccataggt cttcaacagg 1560
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agagtygctg tcattctgtc attgctgcta ctctaacact gagcarcact ctcccagthg 2520
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gratgsttat tat 2593

```

<210> 2022

<211> 1688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (802)

<223> n equals a,t,g, or c

<400> 2022

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tgccggctgg agtccggagt ccctggccta ctggccgrac cgttccgaca ccgaggtgcc 60
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ctthacccac ccgccaagg acgagaaggc gccgcacctc aagcaggngg thcaggcagat 180
gatccaacag gcccagaagg tcattgctgt ggtcatggac ctctthcactg atggngatat 240

```


1290

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ctttcaagac attgtggatg ctgcctgtaa gcgccgggtc ccagtgtaca tcatectgga 300
cgaggcagga gtgaagtatt tcctggagat gtgtcaggac ctgcagctca ctgacttccg 360
gattcgggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caaggttcct gatggtggac ggtgacaaag tggccactgg 480
atcttacagg ttcacctgga gttcctccca tgtggacaga aacctcctcc tgctcctgac 540
aggacagaac gtagagccct ttgacacgga gttccgggag ctgtacgcca tctccgagga 600
ggtggacttg taccggcagc tgagcctggc gggcagggtt ggccctccatt actcctccac 660
tgtggctcga aagcttatca accccaagta cgccttgggtg tcaggctgcc gccacccgcc 720
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agactgga 1688
```

<210> 2023

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

1291

<400> 2023

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tgtcgttcgt ggcaggggtt attcggcggc tggacgagac agtgggtgaac cgcacgcgcg 120
cgggggaagt tatccagcgg ccagctaatt ctatcaaaga gatgattgag aactgttttag 180
atgcaaaatc cacaagtatt caagtgattg ttaaagaggg aggcctgaag ttgattcaga 240
tccaagacaa tggcaccggg atcaggaaaag aagatctgga tattgtatgt gaaaggttca 300
ctactagtaa actgcagtcc tttagaggatt tagccagtat ttctacctat ggcttttcgag 360
gtgaggcttt ggccagcata agccatgtgg ctcatgttac tattacaacg aaaacagctg 420
atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cgggtggagga ccttttttac aacatagcca 540
cgaggagaaa agcttttaaaa aatccaagtg aagaatatgg gaaaattttg gaagttgttg 600
gcaggtattc agtacacaat gcaggcatta gtttctcagt taaaaacaa ggagagacag 660
tagctgatgt taggacacta cccaatgcct caaccgtgga caatattcgc tccatctttg 720
gaaatgctgt tagtcgagaa ctgatagaaa ttggatgtga ggataaaacc ctagccttca 780
aatgaatgg ttacatatcc aatgcaaact actcagtga gaagtgcac ttcttactct 840
tcatcaacca tcgtctggta gaatcaactt ccttgagaaa agccatagaa acagtgtatg 900
cagcctatth gcccacaaaac acacacccat tcctgtacct cagtttagaa atcagtcctc 960
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aatccacaac aagtctgacc tcgtcttcta cttctggaag tagtgataag gtctatgccc 1200
accagatggt tcgtacagat tcccggaac agaagcttga tgcatttctg cagcctctga 1260
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gtgtgatata caaagtgtac caacataagt gttggttagca cttaagactt atacttgctc 2460
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taaaaaaaaa aaaaaaaaaa aaa 2543

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<210> 2024

<211> 504

<212> DNA

<213> Homo sapiens

<220>

1292

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2024
ggcacagctt gtttttccaa gcagctgttt ggctttccra agcccacttt ctgtctttaa 60
raggtttaaa garactacca gaccattttc caatgaatgt cttggtacca ccagacccgt 120
agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180
acagtccgat acatacttct gcatgtctat gcgaatacca gtggatgagg aagccttcgt 240
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420
gtgttgggat tcagagttgg gaggagnaga ctgggaagta aatacttggg actacaggtg 480
acactaaggg ggantattaa tggc 504

<210> 2025
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<220>

1293

<221> misc feature
 <222> (778)
 <223> n equals a,t,g, or c

<400> 2025

```

gactcctata gggaaagctg gtacgcctgc aggtaccggt ccggaattcc cgggtcgacc 60
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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgtcccan 180
gtcccatca tcctccagtgaataaaagc tctaagaagt ttgtcccca tggtagacatc 240
cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacett 300
tcccttaccg gcttcatcgg ggactcccggt gtcagtgggt ggaacagtaa gcagtttgtg 360
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aatcactacc tggccctggg gagtgaactat acattctctc agatatacca gtgggataaa 480
gagaagcagc tattcaaaaa gtttaaggag atttacgtgc aggcgcctcg ttcattcaca 540
gctgtctcca ccgacaggag agatttcttt ttgtcatcca gtttcaaagg gaaaacaaag 600
atTTTTgaac atataattgt tgacttaagt ttgtgaagggt gtggtgggtg aaactaagag 660
aaatgtagca ttagctctac aaaagaggac caagaaaaat caacaaacaa atcaaagcca 720
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<210> 2026

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<400> 2026

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cgaggctcagg tctcgaaaag ggaggacctc ctcgctcccca ggggccccag gccagggtgca 120
cccttggccg cangtgcacg gtctccggaa agtgacggcg cccacgtccc agctggacca 180
tggcgccctcc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atcccgacgc 240
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gagcctgacg cactctgagc gttacgccct gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
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cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
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1294

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gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cgcccagcgc 1320
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gtagaggagt gcaggcacc tgaccagcag agattgctgc agaaataaag tctgcttggc 2460
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t 2521

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<210> 2027

<211> 2357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2027

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gtaccggtcc ggaattcccg ggtcgacca cgcgtccgc cagcgtccg cggaacgctg 120
ggctgtgact gaaatcattt tcccatatga gcagaccctg tgtgtcaggc ctgtttccca 180
tatgagcaga gcctgtgtgc aagtctgttt ctggcatgtc cctcattgag gaagggaagc 240
aaaagctggt tattgccagg cctattaaca cttaatatgc aaattctatc atcctgaaac 300
tggggcatct gagggaaaag tgaccttgc ggatggcttt atttgcattg ctctgcctgt 360
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1295

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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1296

<222> (1576)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (1694)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1772)
<223> n equals a,t,g, or c

<400> 2028
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1297

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<210> 2029

<211> 4331

<212> DNA

<213> Homo sapiens

<400> 2029

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cctgtatatc attgatggga tgtttgttac ttctcttggtg tacaccagtt ggctttctc 240
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taggaaatgc ctctctttct acgtttgggt ttgtgggagc tgcgttgaa atcattttga 660
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1298

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<210> 2030

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1058)

<223> n equals a,t,g, or c

<400> 2030

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aactgcggcg tcacccggc tataagcgca cggcctcggc gaccctctcc gaccggccg 120

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1299

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ccgccgccat gcagccctcc agccttctgc cgctcgccct ctgcctgctg gctgcacccg 180
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cgggctcctc caacctgtgg gtccccctca tccactgcaa actgctggac atcgcttgct 480
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<210> 2031

<211> 1089

<212> DNA

<213> Homo sapiens

<400> 2031

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ttttcactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
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agaggtcagt ttctcttttg ttttccagat tttctttaga acggtgactg accctcctac 420
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aaaaaaaaa 1089

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<210> 2032

<211> 983

<212> DNA

<213> Homo sapiens

1300

<220>
<221> misc feature
<222> (323)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (899)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (920)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (923)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (928)
<223> n equals a,t,g, or c

<400> 2032
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gcgttcaccc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180
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<210> 2033
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1301

<222> (637)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 2033

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ca 722

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<210> 2034

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 2034

```

gctggcgcg cggaacgggat gaggcgctgc agtctctacg ctttcggtaa cttccggggc 60
ctggcgmttc gtctccttac cctgggggcta cccttgcccc gtcctactgc ccgcgggttaa 120

```

1302

```

cccgccgcga gccgcctctc ccctccccgc ccgactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccggggggcc caggcggtg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca cgtcctgcg gcacgtggcc 300
aatccccgcg gcgtgtgcac gccggagtag accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctgc 480
tccctggggc tncctcttgc tgtgtcactc actggggcca acggtggncg gcggcttatt 540
gntgactggc accca 555

```

<210> 2035

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 2035

```

gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcaact ttctcaggca cagtcaggcc 120
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180
atggggcttt acgaagcaga atggaggga gatgtctgac atactgctgc aggcgtcagt 240
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300
gaagatgatg tgtgcaggca tcccgaagg ggggtgtggac acctgccagg gtgacagtgg 360
tgggccctg atgtaccaat ctgaccagtg gcattgtgtg ggcattcgta gctggggcta 420
tggtgctggg ggcccgagca cccaggagt atacaccaag gtctcagcct atctcaactg 480
gatctacaat gtctggaagg ctgagctgta atgctgctgc ccctttgcag tgctgggagc 540
cgcttccttc ctgcctgcc cacctgggga tccccaaaag tcagacacag agcaagagtc 600
cccttgggta caccctctg cccacagcct cagcatttct tggagcagca aagggcctca 660
attcctrrta gagaccctcg cagcccagag gcgcccagag gaagtcagca gccctagctc 720
ggccacactt ggtgctccca gcatcccagg gagagacaca gccactgaa caaggctctca 780
ggggtattgc taagccaaga aggaactttc ccacactact gaatggaagc aggctgtctt 840
gtaaaagccc agatcactgt gggctggaga ggagaaggaa aggtctctgc ccagccctgt 900
ccgtcttcac ccattcccaa gcctactaga gcaagaaacc agttgtaata taaaatgcac 960
tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa 1084

```

<210> 2036

<211> 345

<212> DNA

<213> Homo sapiens

<400> 2036

```

aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttggtttt atgtaaatta cgttttaaagg tttattttta aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttgggtttt ttattttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatataw 300

```

1303

atccccctcta gcaaattggcc tgtaatatgct tgtaagcatt ttttc

345

<210> 2037

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<400> 2037

```

tggacgcgtg ggtcgaccca cgcgtccggt caaaaytaac cccetaataa aattaattaa 60
ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcttgctga tcctccaaat caccacagga ctattcctag ccatgcaacta 180
ctcaccagac gcctcaaccg ccttttcatc aatcgcccac atcactcgag acgtaaatta 240
tggctgaatc atccgctacc ttacgcgcaa tggcgctca atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcattttctc tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcctcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagttc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacg aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaaac acctccacc ctactacac aatcaaagac gccctcggct tactttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctcttaggcg acccagacaa 780
ttatacccta gccaaccct taaacacccc tccccacatc aagcccgaat gatatttcct 840
attcgctac acaattctcc gatccgtccc taacaaacta ggaggcgtcc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttgc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatc 1080
cgtactatac ttcacaacaa tcctaatacct aataccaact atctccctaa ttggaaaaca 1140
aaatactcaa atgggcctaa aaaaaaaaaa aaaaaacycg ggggggggcc gggtwcccaa 1200
tttccccctt aggn 1214

```

<210> 2038

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 2038

```

aataatatat ccctgtcggt ttgttttttc tttttaagac ttgggcgggg tgtgggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcccgccct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttcctg tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccctttcttc attcccaccc 300

```

1304

```

atcacagtgg cagccccctc tgcctcctg tattctgaat cccaccctta taatatgctt 360
agattttgcc tttctcccag ccgttttgtg agcattgttc gtgtgtacca attttttctc 420
atccttttaa aaaaaaaaaa aaaaactnng gggggg 456

```

<210> 2039

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<400> 2039

```

gggtcgaccc acgcgtccga aaaactgtnn gggagcttga caaaggcatg caggagagac 60
aggagcagcc acagccagga gggagagcct tccccaagca aacaatccag agcagctgtg 120
caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360
gggctgctgc ttgactcca ggatccctgg agtgcccttg tgtttcaagc ccctgcagga 420
agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480
gcacccttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540
ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

```

<210> 2040

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

1305

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (566)
<223> n equals a,t,g, or c

<400> 2040
gcttntacgc ctgcagcnac cgggtccggaa ttccccgggtc gacccaacgcg tcggcggtccc 60
ggagcccacg gtgggtcatgg ctgccagagc gctctgcatg ctgggggtgg tcctggcctt 120
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300
agcagaatgc accttctgag gcacctccag ctgcccccg cgggggggatg cgaggctcgg 360
agcaccttg cccggctgtg attgctgccg ggcactgttc atctcagctt ttctgtccct 420
ttgctccccg caagcgcttc tgctgaaagt tcatatctgg agcctgatgt cttaacgaat 480
aaaggtccca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540
tttatttctg ctgcgtcgtg ggasanggcg gkagggtgtc aggggagagt ctgccaggcc 600
tyaagggcag gaaaagactc cctaaggagc tgcagtgcac gcaaggatat ttt 653

<210> 2041
<211> 1916
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1766)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1883)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1912)
<223> n equals a,t,g, or c

<400> 2041
tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60
tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

1306

```

ttgarggtgt  tgttgctgat  acctctcccc  agacagtggc  accttcatcc  caggacacca  180
gtggtcagca  gcaacagata  gcagtggaca  catccaacga  acatgcacct  gcatattctt  240
accaacagtc  taaaccataa  acaggactga  agaatgtytg  tytgaatctt  tgccttgaat  300
gaagaaactt  cattgaacaa  gaagttggct  tccagtttgc  acagacgtca  atggaatgca  360
tttttttgkt  gktgktgktg  tttttttttt  agtgktatac  cttacccaat  gaaagcaaag  420
tttttatgtg  ctgtgcaaat  ggtcttcatg  tggctcgaca  atttattttt  gccatcattt  480
ttttaattaa  agaaaaaatt  tccagaagag  gaaaaaaaaa  ctacaaaaaa  caaaacattg  540
aaggttgata  ttttatgtgg  aagaacattt  gaattgaatt  cagaattttt  ctgaaggtgt  600
agatactttt  tttttttttt  ttaacagaaa  acctgatgtc  aagaggtggg  caatagaaat  660
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tctagtgggt  tttttatttt  attttttctt  agaaatatgt  aggtaaggtt  tatcttgaat  780
cttaattgcc  ttaattttta  ggacgtcaaa  ggctctcgag  gcaagctgtc  aacgtcttgt  840
tgaaaacaaa  aatcaagaaa  gaattgaaat  actgtgccgg  ctttctactg  cacagaagtt  900
taagactatg  agtttttagg  gtgaagaaaa  aactgtacag  tttaaatgaa  aatgtttttc  960
ttcatttgaa  gaaaatttgt  tgataaacca  tggcaactgc  aagaattgga  aaaatgctgg  1020
gacttttcat  gaactttgtc  ttaagtgttg  acatgaatca  ttctaaaagg  ctaaaacatt  1080
ttacagtaaa  gttattaagg  ttggttttaa  aacaactgca  ttagaaataa  tgcgtgtttg  1140
gggggcagaa  tgcagatttt  ttttaatttac  aaagcgtgat  cgctagcaaa  agcattagtg  1200
ctttttatct  gcagtctttt  ttatgagctt  tacaaagttt  ttagtcagct  ttgcttgtca  1260
cattgcaaaa  cctagcttaa  gagcattaaa  aaaaaaaact  taagtagata  gkagcttatg  1320
gtcaaaaagt  gcaaaaaaaa  aaaacaaaaa  aaaagcaata  gatagagaaa  ttgttgacaa  1380
tttctgtagt  ctttcttagt  tgtgatcaaa  ttcagcctat  ggatggccta  ttttatacca  1440
aagatgaagt  grcacccat  trcagtccag  aagatagagg  ttgttttcca  tttcttctct  1500
tttcttttct  ttttaagaat  tttatttgac  ctacatggcc  ggaccagttc  ttacttttgt  1560
gtttgtttta  actaccttc  actggtgttt  tatatactgc  aaaacagaa  acaacaaaag  1620
gtgttttgtt  tttgtttttg  ttctgttttc  tgtttttgtt  tatttgttta  catgcatttg  1680
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gataccaact  gacaaagcca  aatggntttt  tattcaatct  gtgagctttt  ctgggtccta  1800
ctagctctct  tgaaggkgac  acctgtgtgg  gatgggccac  tgatatgtgg  agaccctggg  1860
ttaacaaggt  gaaaattcct  ttncgggtgg  aacctttgga  acctaaaagg  nncctt      1916

```

<210> 2042

<211> 1595

<212> DNA

<213> Homo sapiens

<400> 2042

```

aaatcttctt  acacacatct  agackttcaa  gtttgcaaat  cagtttttag  caagaaaaca  60
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caaaatacaa  tctctgtact  ttaaagttat  ttttagtcag  aaattttata  tgcagagaga  180
aaaagttacc  gagacagaaa  acaaactcaa  gggaaaggaa  tattatggga  ttaagctgag  240
caagcaattc  tgggtggaaag  tcaaacctgt  cagtgtctca  caccagggct  gtggtcctcc  300
cagacatgca  taggaatggc  cacaggttta  cactgccttc  ccagcaatta  taagcacacc  360
agattcaggg  agactgacca  ccaagggata  gtgtaaaagg  acattttctc  agttgggtcc  420
atcagcagtt  tttcttctct  cattttattgt  tgaaaactat  tgtttcattt  cttcttttat  480
aggccttatt  actgcttaat  ccaaagtgtg  accattgggt  agacacatac  aatgctctga  540
atacactacg  aattttgtatt  aaacacatca  gaatatttcc  aaatacaaca  tagtatagtc  600
ctgaatatgt  actttttaaca  caagagagac  tattcaataa  aaactcactg  ggtctttcat  660
gtctttaagc  taagtaagtg  ttcagaaggt  tcttttttat  attgtcctcc  acctccatca  720
ttttcaataa  aagatagggc  ttttgctccc  ttgttcttgg  agggaccatt  attacatctc  780
tgaactacct  ttgtatccaa  catgttttaa  atccttaaat  gaattgcttt  ctcccaaaaa  840

```

1307

```

aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tggtgattcc taatcaagga caagccaccc tagtgtctca 1020
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aggttaatgg ctaagaatgg gtaacatgac tcttgttgga ttgttatttt ttgtttgcaa 1140
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agttcttttg gctaacaaat cattttggaa ataaagattt ttactacaa aaatgaaatt 1260
tgtttgact tccacttgag acagtaaaga gagtattaga caccagtaa aaactgccat 1320
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cagacattgg gtcactcact gggtcacctt ccagtgcat ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggttttct tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttth atttgaaaaa aaaaaaaaaa aaat 1595

```

<210> 2043

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 2043

```

ggccgggac cggggcgccg ggttggtcta cgctgtgcgc ggccggacgtc ggaggcagcg 60
gggagcggag cggggccgcc ggggcctctc cagggccgca gcggcagcag ttgggcccc 120
cgccccggcc ggccggaccga agaacgcagg aagggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgcagaccca cccgatggca tcaaggctct tcccaacgag 300
gaggacctca ccgacctcca gggtaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttctctga ccaagatctt ccaccgaaac gtgggcgcca atggcgagat ctgcgtcaac 480
gtgctcaaga gggactggac ggctgagctg ggcacccgac acgtactgct gaccatcaag 540
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aagcatgctg gcgagcgcca taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
gcgtgcgcc ggctgtagt ggctctcttc ctcttccac cgtgacccca acctctcctg 900
tccctccct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgtttt ctataataaag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

<210> 2044

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2044

```

ggcacgagcg gatgctcaac ctactgacc ggcaagtcaa aatctggttc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta ttctactgga aaccttctat 120
tttgagagct ccaggaagcg cctcaccacc agcccccact acccaccctc ctcccacca 180
gcctgctctc cgcagccccc tgtccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtca actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

```

1308

```

acaattttac cgccagtgtg ctgtcgttcc ccctcccccmt ctccgagtc tctgtggggac 420
acggcgggggt ctgtaggaag ttgggcccggg ttggggggttg ctagaaggcg ctggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaaatgta cttttagtct gtcatatcaa ggcattgagtc actgtctttt tttgtgtgaa 600
taaatggttt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

<210> 2045

<211> 356

<212> DNA

<213> Homo sapiens

<400> 2045

```

cggggcagaa aggcggcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttattgg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttga aa ccggacaata tgcttatttc taatgagggg catattaaac tgacgg 356

```

<210> 2046

<211> 1439

<212> DNA

<213> Homo sapiens

<400> 2046

```

tcccagctgg ccctgcccct ctaccctccc tgcctgagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtacc ctgacacccc 120
cateccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
atgtcctgga acgcctctgt gtcaacggcc atttcttcca ccggagctgc ttccgctgcc 240
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tctactgcct ccagcacctg cccagacag accacaaarm ggaaggcagc gatagaggcc 360
ctgagagtc ccaggctccc acaccaagtg agaatagcat gccaccaggc ctctcaactc 420
ccacagcctc gcaggagggg gccggtcctg ttccagatcc cagccagccc acccgtcggc 480
agatccgcct ctccagcccg gagcgcagc ggttgtcttc ccttaacctt acccctgacc 540
cggaaatgga gctccacccc aagcctcccc gcagctgtct cgccttggcc cggcacgccc 600
tggagagcag ctttgtgggc tggggcctgc cagtcagag ccctcaagct cttgtggcca 660
tggagaagga ggaaaaagag agtcccttct ccagtgaaga ggaagaagaa gatgtgcctt 720
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tagaggccga gggcgtgaag ctggagctgg ccttgaggcg ccagagcagt tcccagaac 960
agcaaaagaa actatgggta ggacagctgc tacagctcgt tgacaagaaa aacagcctgg 1020
tggctgagga ggccgagctc atgatcacgg tgcaggaatt gaatctggag gagaaacagt 1080
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atgccctcat ccgcttccag gaggagcgca ggctcagcga gctggccttg gggacagggg 1260
cccagggcta gacgaggggt ggccgtctgc tttcgttccc acaaagaaag cacctcacc 1320
cagcacagtg ccaccctgt tcatctgggc tgccctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

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<210> 2047

1309

<211> 586
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (576)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (585)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (586)
 <223> n equals a,t,g, or c

<400> 2047
 cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaga atttaaactw 60
 agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaaagt 120
 tgcaaaatgt ggagttttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180
 tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240
 aggttgcttc tttcatctgc ttgcctaata accatagggt ggtcattact ttctctgaac 300
 ttttattttt tcataattct gggttctata agactcaaga gagaatgcac atgggaaaagg 360
 atttttaaaaa ctgatcaatc tgtaaaatgt catgtatttg aaaagataaa gtaaaattca 420
 taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480
 cccatagtaa ccatatgaaa cagatattat tcctatctca aatttaggga taaaaaccag 540
 taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048
 <211> 895
 <212> DNA
 <213> Homo sapiens

<400> 2048
 gcctgcagggt accggtccgg aattccccggg tcgacccacg cgtccgcgaa aaatcagttk 60
 gcaatatata gtgtgggaac tgtactgtga tcattggcta accaagatgg gtgacagttt 120
 atgatttcaa agactcaaaag gcggtttgag tcctacaatg tcctactcat aaaaatggaa 180
 agcatggcag cctcaggttg ttacagagta ctctactcca aagtaaaaagt tattctctga 240
 gaaagtgcct actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300
 attgctcaaa cttacccatc tttgaatatc tagcctcttg gatgagacag atgatctttc 360
 tccgtttttc ctttttatag aatacagcta cctacccagg caatatgaag attttatttg 420
 tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccggtcca ctgacaacgc 480
 aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540

1310

```
atattttctga gtgtgaaaaa aacaaaagca gccaattttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtcc taaatcccaa 720
acctaattggc ctttactggg aactcacctc atttgaagtt tcctgacacc tttcaaattct 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895
```

<210> 2049

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 2049

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tttatgatat ggaattcaat acacccttc agtgggtataa agacattcct ggatttcttt 60
aggatagggt cagagttggt ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143
```

<210> 2050

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 2050

```
gagctccacc gcggtggcgg ccgctctaga actagtggat ccccgktct gcaggaattc 60
atatgatgcc gcccgtaaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc ggttcgatcc cgcttagctc caccaaattt 180
```

1311

tgcacccagc aaacttggtgta cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcattggc atgcaagagg tcagcgggtc gatcccgcctt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtccggggtt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgaagata gtgtactcat gtttgtggag cataacctga taaaaaatat caagatattc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnn 576

<210> 2051

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (578)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (580)

<223> n equals a,t,g, or c

<400> 2051

gagctccacc gcggtggcgg ccgctctaga actagtggat cccccggtct gcaggaattc 60
ggcacgagta acaaacctta cttttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccacctgtt ctctcttagg acctgagggt tatctctttg atatgcaa 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat ctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
tttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatatt tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc gggggggnnnn 580

<210> 2052

<211> 571

<212> DNA

<213> Homo sapiens

<220>

1312

<221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (525)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<400> 2052
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaaag 60
 ctcccagtga ggaactggtc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120
 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180
 tcagcgttgc agctctccca gcagccctgg acgggtgactc tcctctcttg gaatgcatcc 240
 tgaagcagct gaaaagggtt gccccggggc cagcagggag caaaatcttg tgatattgct 300
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360
 catgcacact cacatgcaca ctcacatgca cactcacatg cacactcaca tgcacactca 420
 catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480
 ccctggnacc acactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540
 aaggtatatc aggccagacc nccggggggg n 571

<210> 2053
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 2053
 gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct gcagganttc 60
 ggcacgagct cgtgccgaat tcggcacgag aaaagatatt gtatatgaac ttcaactcta 120
 caactcagta aatggaactg tgatcaggag aataaggaaa tgttcagtgt attacttggc 180
 ggttgtaatc aatggaaaca ctaaaaacat aaaatatgca tgcactatgc ttccttaaag 240
 taaaattttc ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300
 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgtttagattc gattactgaa 360
 gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420
 cacagattgt caacagtggc tgatgcagat gaaatcattg tcttggatca gggttaaggta 480
 gccgaacgtg gtacccacca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

1313

```

tggcatacac agagcagccg tgtgcagaac catgataacc ccaaattggga agcaaagaaa 600
gaaaatatat ccaaagagga ggaaagaaag aaactacaag aagaaattgt caatagtgtg 660
aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttgtttt 720
ggactacata tttgcaactga agcagaattg ttttattaaa aaaatcatac attcccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaa 807

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<210> 2054

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2054

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cccatcctga tccaagtgcc cttattcaag gtgttgctga tattttgncc ttcactgccc 60
actcatartg argcaaatta ycattttctg kgaacacagc tcagattttg gctggaatgg 120
ctatggctta tgcagtggca acttcttggt gtagtcttwt tgcaaactct gattcttcag 180
caatatcaac gttttaacat gctcacctca gcaaaaagta agacagctgt aaatggactg 240
atctacaaaa aggccctact tttatcaaat gtttctcrac aaaagttttc cactgggggaa 300
attattaaact tgatgtcagc aactcatgga cttgacagca aacctcaatc tcctctgggc 360
tgccccctttt caaatcctaa tggccgtata tctccttttg caagagctgg gtccagcagt 420
gttagcaggg gtggcagtc tttgtgttgt tataccaata aatgcttttag ctgcaactaa 480
aataaaaaaag ttaaaagtggt ccctggcaac cttgtgtgtc tatttcttac tggatgaagg 540
aaacattttta acagccacta aagtgttcac atcgatgtct ttgtttaata ttttaaggat 600
tcctctgttt gagttaccaa ccgtgatctc agctgtgggc cagacaaaaga tatccctggg 660
ccgttttgaa gactttctca aactgagga gcttcttcct caaagtattg aaacgaacta 720
tacaggagat catgctattg ggtttacaga tgcttctttc tcctgggata aaacaggaat 780
gccagttcta aaagaggctc tgtggcctat gkttctcaac aagcctggat tcaaaattgc 840
cgg 843

```

<210> 2055

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2055

```

gcctgcaggt accggtccgg aattcccggg tcgaccacag cgtccggcca aatgctatca 60
tgaacgtagg aaacttgatt tttttgtttt gatcatggcc tctacatgca cttttccaga 120
gtggtctctt ctccaggccct ttttagtccc tttccaaagc tgccccacc accctgctcc 180
tctggcctca gtgcacagtg gccccagcc tcggccaggc ctgctctgct cagcggccac 240
cgcccaccac cctccttgct tccccgagcc tgaccctgtt ccgcccactg gcaatcaggg 300
ctgcgcactt cctgtgccac ggtccccagg ccttctgtc ttgtcccttt tgatcattat 360
taactcaggg tttcagctcc aacctcgctg agttggtgca gctccaggtc attcctgggg 420
tggaatcgg atcatccctg actcagcttw taccttaatt ttatttgcag aggattcttt 480
tctcaaaatg ctctggcatt tggacacaca tcacatgtcg atatttgc ataggatcatt 540
ttcagtggaa taacattttt aatgtgtggt tttacggttc aaggaactac ttgatgattt 600
tgaggaaaca cttgccagaa actaaattaa cgaataaaaag atttcagtgc ccgaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```


1314

aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

<210> 2056

<211> 4016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2056

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cngacactat ntaaggtacg cctgcaggtg accggtaccg gaattcccgg gtacgaccca 60
cgcgtccggt tctgaagcaa tgtaaatcct actagccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttccct 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aattttttat caagaatgaa aggttggcct gtgttcttac tgggtgcaggc tgtcacattt 300
ctctctgttg ccagtcagg tgctatggca tgtgtctgctt ctggcgtagt gtactctgtg 360
gatgtaccag catgttcttc aaggtcatga ctgattttcc agacctttgg aattgagata 420
aatgttaaat ttgtagctat ctctgaattt cttccagata cttttcttca tttgtttgtt 480
tgtagggtaa acatacctga tagcagcaat ttaagcatat ccttagaatg accatgtatg 540
gccagtgcac ctgaatgtgt gttccaaggt agggaaatcca ggaatggcca actcggagat 600
tcattcctta ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660
tggggattaa ggccctgagt tttagggttaa atgaaggtta ccagatggag gtcattagggt 720
ggaggggtgt aaatgaaaat gctttataaa ctgcatgctg tttgcaagca gttgcagttt 780
tcctgcccag cccgcagcca ctggccatgc agtcatgttg tccagcctgc cgccactgga 840
ccatttctgt acataaggca gttctcctgt ccgcctgcca ccagttctcc actctctccc 900
catatgtaag ccctagtaa accccatgtc tcat ttgtgtg cctctgggtc ttttcttcag 960
cctcttgaa ctagtgccct ccctgctgag gttaatatagg gtacagcaca acagtgttgt 1020
aacacagaaa gtgatattta cagggatata tctctcaca tatctcttag gaaaggtaaa 1080
taaaatgttc acaacttgta ggtgagtaat tccttagata agttgtttct taacttggga 1140
ggagtttggg aaggaacctt agcaggctgc agaggctggg catgggagct tgtcatggct 1200
ggaagttgaa atggtcaact ccaggcagat ctccctggggc aaagcagcct ccaccaccag 1260
tagcccttcc tttctgttgc tttcatagcc ccaactgctc atctgaagcc tgaaccctt 1320
ccagaaaatt gatggataga tttttttttt cggctatata tagttttaga ggttagaact 1380
agatataatt tcaagtctag aagatttctc cttccccaga aatgatttgt ttttgtgcag 1440
aggccccgtc aaaatagtac cgggagactt agactgagtt cactcatcac taacaattaa 1500
ctttataaac attcaacaag taggacaact attattactg ttactcagaa cccttcgctc 1560
tgtatataca gtttgattta agatgccaca ttacatggc attttcaacc ttcaaactct 1620
agcagatttt aaaactaggt ggatgaaaat agaatactt taataaatgt agtgtgtcag 1680
at ttgaaaaa tcatttgggt agcaggatct ctgtaaaagt atatgggcca cgtatacaag 1740
acgtaactga agaaaattaa ttcaacagag catgccgtac ttgaacgaca tagagattta 1800
ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860
tgaaaataga tggagtatgc ctgactgaac ctctgtactg ccccatgc tatacagggt 1920
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980
```

1315

```

atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
tcagactctc ttcacactct aagaagaact ttctgaaaag cttggattag gtctggcaat 2100
ggatataata agcaaaggac tcttggaaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttattttaga ggatagtgtt ggtaataatg ccttgtgttt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
aatagaagtg ttcactttttt ggaaatgaac ttagggcata agagcctgaa tttaatgcat 2400
tgcaggaaga aatatggtac atagtgatcc agtgggtcaa ctgaattttt tgttccacta 2460
agagtccctt cctggctccg tgttttgaaa attaaaggaga aataagagtg agtccctaca 2520
cctggatggg aaatcccaca tatgcaattg gaatggtctc tcacgacaca tgcagagatt 2580
gaagaacagt ctggacattt tttgataacg ttctttgggc cttggtagta gctgaaagac 2640
acctgagaaa tcttagctca gagctacaga atgacactaa tggatcccag aaatagaaat 2700
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ccttttatac acatgatttt gagtgatgtg gagaattaaa agagcacaac atgctcagga 2820
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ggtatgtgga agttcagaaa agcatcacag tacttcagca catctacttg ggcaatctca 2940
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tagggatcct tggggaaaac atgtacaaaag agatagtttt agcacattct agtaaaggca 3060
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aaagtttggg cttattgtag cctaaattgt acttaggggt acgagtgaga aaaagggatt 3300
aagataaagg acctgttttg ctgtcttggt tactgttgaa tagtagtatg aagtaggtcc 3360
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gtccttgagc gcaggctatc caggtaaata aacatggaag gtgatgggag gtaatctggg 3480
ctggaaatac agatttggaa gtcaccccat atcagtgggtg tttaaaatca agagcaaatg 3540
aaattgcaca aggagaatat atagaatgaa caaattacca tgggtgaagc cttgagtaat 3600
acagacattt aagaagcaaa caaaagacaa ggaacccatg agggagactg gaaaggaaaa 3660
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attgtgtctt gttttaaagt aaatgggtag ggtaagaaaag ttgagaaggg ttagcacaaa 3840
cctctctttc aagtcacttg ccttagaaga gaaggaaggg tatggtttct ggggtgcaac 3900
ccaggttcaa gaagcaaaaa aaaaaaaaaa agggcgggccg ctctagagga tccctcgagg 3960
ggccccagct tacgcgtgca tgcgacgtca tagctctctc cctatagtga gtcgta 4016

```

<210> 2057

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

1316

<221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 2057
 agctggtacg cctgcaggta ccggtccgga attcccgggt cgacccacgc gtccggaaca 60
 gggaaaagaaa gggacagaga tggaaaatcc tattttattg ttttgacttt agacatccag 120
 aaagggttac taactttaaa acttttaaata aagttgccct gtgttgggga agaaatctgg 180
 caatcctagt tactttgaag tcacgctacc ctttttact agagtctccc tgacccaaga 240
 gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300
 ggtatgccag gagcaggggtg cagtattagg ccagaaatct ctggttggtct ctgcttgctc 360
 ctcatgtcta atgtggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420
 gcttttctct tttggactca ggacccatta aactcagtaa cctcattaaa ttctgcctgc 480
 acatttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaaanaaa 540
 nnaaaatata tatatatata gagagagcga gccgagagag agagaga 587

<210> 2058
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<400> 2058
 ggcggaatgt tcaactccta actgcggcgg aaacgtggga gccgcgcggg ccgctgtcgt 60
 cccaaccccc gccgcctcgt tcgcgcgcgg ggcctccgcg cccccggctg ctgctcacgc 120
 cccgccggg agccagattt tgtggaagta taatactttg tcattatgag atgtcgtctc 180
 tcggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcgggtg 240
 gaggaagttt tgggagtgtt tatcgagcca aatggatatc acaggacaag gaggtggctg 300
 taaagaagct cctcaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360
 acatcatcca gttttatgga gtaattcttg aacctcccaa ctatggcatt gtcacagaat 420
 atgcttctct gggatcactc tatgattaca ttaacagtaa cagaagttag gagatggata 480
 tggatcacat tatgacctgg gccactgatg tagccaaagg aatgcattat ttacatatgg 540
 aggctcctgt caaggtgatt cacagagacc tcaagtcaag aaacgttggt atagctgctg 600
 atggagtatt gaagatctgt gactttgggt cctctcgggt ccataaccat acaacacaca 660
 tgtccttggt tggaaacttt ccattggatg ctccagaagt tatccagagt ctccctgtgt 720
 cagaaacttg tgacacatat tcctatgggt tggttctctg ggagatgcta acaagggagg 780
 tcccctttaa aggtttggaa ggattacaag tagcttggct tgtagtggaa aaaaacgaga 840
 gattaacat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900
 aagctgatgc caagaaacgg ccatcattca agcaaatcat ttcaatcctg gagtccatgt 960
 caaatgacac gagccttctg acaagtgtaa ctcatccta cacaacaagg cggagtggar 1020
 gtgcsaaatt gaggcaactc ttgagaggct aaagaaacta gag 1063

<210> 2059
 <211> 2716
 <212> DNA
 <213> Homo sapiens

1317

<400> 2059

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<210> 2060

<211> 2013

<212> DNA

1318

<213> Homo sapiens

<400> 2060

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<210> 2061

<211> 2595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

1319

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2466)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (2471)

<223> n equals a,t,g, or c

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<222> (2507)

<223> n equals a,t,g, or c

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<222> (2533)

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<222> (2535)

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<221> misc feature

<222> (2593)

<223> n equals a,t,g, or c

<400> 2061

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1320

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<210> 2062

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<400> 2062

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acctccttac acac 554

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<210> 2063

<211> 1848

1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (969)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1822)

<223> n equals a,t,g, or c

<400> 2063

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<210> 2064

<211> 487

<212> DNA

<213> Homo sapiens

1322

<220>
 <221> misc feature
 <222> (464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (471)
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 <221> misc feature
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (482)
 <223> n equals a,t,g, or c

<400> 2064
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<210> 2065
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (527)
 <223> n equals a,t,g, or c

<400> 2065
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 ggaaaagacg cagagaagta aaagatcaaa gtctgattgg caccgggtcc cattccggct 180
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1323

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575

<210> 2066

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2066

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<210> 2067

<211> 2021

<212> DNA

<213> Homo sapiens

<400> 2067

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ttaaggaaag caaaatcatt tcctaaatgc atatcatttg tgagaatttc tcattaatat 1260
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1324

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ctattttcatg gtccaaacct gttgccatag ttggttaaggc tttccttttaa gtgtgaaata 1380
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tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaat 1920
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

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<210> 2068

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 2068

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gggaatcttc atgggacctt acgggacttc tactcaccac tggtgacctga cagcatgaaa 60
tttgagattg gagaggctct ttacttgggc attatttctt cctgtttctc cctgatagct 120
ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

```

<210> 2069

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

1325

<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<400> 2069
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tcattctgagc tcacgctggc tcacacagct ctaggggcct gctcctctaa ctcacagtgg 180
gttttgtgag gctctgtggc ccagagcaga cctgcatatc tgagcaaaaa tagcaaaagc 240
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tctgtaaaata gattttaccgc atttacggct gcattctgta agtgggcatg gtctcctaata 660
ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaaag atgtgggtggc 720
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<210> 2070
<211> 2620
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2599)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1326

<222> (2609)

<223> n equals a,t,g, or c

<400> 2070

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gcacgctcac ctcttggttc cgcgttcggt tcggcacctg gaactggatc tggcggcgct 240
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atatgggcct ggtgatcacc gaggtggagc aggaaccacg cttctcggac atcgcgagcc 480
tcgtggtgtg gtgtatggcc gtgggcatct cctacattag cgtctacgac caccaaggta 540
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tgggcctaga ttgttcaaaa tactcaccag aatttgcaaa tagtaatgac aaagatgatc 660
aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
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gatttggtat tagatacgtt agccagttta cttagttcaa atggttgctc tgatcctgat 840
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taaagggtga aaactyatta taaatggaaa gaaagtttta tttccttttt tgtttgatgg 1920
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aaaaaaaaa aaaaaattnc tgcggcgcn c aagggaattc 2620

```

<210> 2071

<211> 1476

1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2071

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taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tatttttaggt ataatttaca aatgtcacac ctaataatct 240
tttataatat accntatttc attaaagttt tgttagagaa gtatctacca cagaggagtt 300
tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
tagttatgag attaaggggaa aatctataaa aacaagggtta gcatattctc aacacagata 420
ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcattctctg 480
agctttgttg tgattcctca acacattacc ctaaccagcc agcagtaaca gatttcagag 540
taagataaag cagattctgt cttcattgca aaaagttatt ctcaatggaa gaatggcatc 600
tgatctcata attactagtt tatattaata tagttttttt ctcccttttt aataaaaataa 660
ttacagtcac ccctcagtgt ctgtggggga ttggttccag ttacccttat agataccaaa 720
atctgcagat gctcaagtc ctagatataaa ctggcatagt agttgcatat aatctatgca 780
catcctcctg tatacattaa gtcattctca gattatttat aacacttaac acaatgtaaa 840
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gtaaaaaaaa aaaaagcctc cctccgtgcc gtcgat 1476

```

<210> 2072

<211> 2224

<212> DNA

<213> Homo sapiens

<400> 2072

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cgggtcgacc cacgcgtccg gagctgcccc gaacaaagat ggcgcgaggaa gcgtctgtga 60
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ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtg cagcagcacc 180
agcgggagtg gcggggcgca gcaaaggag ctggagcgca tggctgaggt cttggtcacc 240
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ctcaagacct acccaaactg ttttgtcgca aaagaactga ttgactggct gattgaacac 360
aaagaggctt ctgacagaga gacggcaatt aaactcatgc agaaattagc agaccggggc 420
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tttagaaaag atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
cagaggctat atgaaaagct gatgagccct gaaaacacac tcctgcagcc cagggaggag 600

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1328

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ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtcccc 840
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aatttttgtt aaatcagctc attttttaac caataggccg aaatcggcaa aatcccttat 2160
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ctat 2224
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<210> 2073

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1329

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (690)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (812)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (814)

<223> n equals a,t,g, or c

<400> 2073

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gccccagacc ctgggtgggg gctgtctcgg caccttcacc tccctgctgc tgcctggcgtc 180
kacagccatc ctcaatgcgg ccaggatacc tgttccccca gcctgtggga agccccagca 240
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cactgctgcc cactgtttca aggacaacct gaacaaacca tacctgttct ctgtgctgct 420
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tctcgagcgc tccatacagt tctcagagcg ggtcctgccc atctgcctac ctgatgcctc 600
tatcmacytc cctccaaaca cccactgctg gatctcaggc tgggggagca tccaagatgg 660
agttcccttg cccaccctca gaccctgcan aagctgaagg ttctatcatc gactcggaag 720
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<210> 2074

<211> 1487

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1330

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 2074

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gggaccgatg atgtggcgac catcagttct gctgcttctg ttgctactga ggcacggggc 180
ccaggggaag ccatccccag acgcaggccc tcatggccag gggaggggtgc accaggcggc 240
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aaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaan 1487

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<210> 2075

<211> 2386

<212> DNA

<213> Homo sapiens

<400> 2075

1331

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ctgtaatgat cgcttttctga catccattcc aacaggaata ccagaggatg ctacaactct 180
ctaccttcag aacaaccaaa taaataatgc tgggattcct tcagatttga aaaacttgct 240
gaaagtagaa agaataatacc tataccacaa cagtttagat gaatttccta ccaacctccc 300
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actttcaaaa attccctatc tggaagaatt acatttagat gacaactctg tctctgcagt 420
tagcatagaa gagggagcat tccgagacag caactatctc cgactgcttt tcctgcccgt 480
aatcacctta gcacaattcc ctgggggttg cccaggacta tagaagaact acgcttggat 540
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1332

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1333

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<220>

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1334

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<211> 2981

<212> DNA

<213> Homo sapiens

1335

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<220>
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<220>
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1336

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<210> 2079

<211> 2458

<212> DNA

<213> Homo sapiens

<400> 2079

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1337

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ggaaatgaat agccaggcct gacctcaagc aaccatgaac tcagctatta agaaaatcac 1500
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<210> 2080

<211> 2650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 2080

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ncngacagtn accgggtccga attcgcggcc ggtcgaccgg ncaaggctgg agagcgcagg 60
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```


1338

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gggacccccct ggccttgetg gtcccgetgg cgagagaggt gaacaaggcc ctgctggctc 180
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```

<210> 2081

<211> 2302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1339

<222> (135)

<223> n equals a,t,g, or c

<400> 2081

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ctgttgtgga atatgagtgc cgtccagggt acagaagaga accttctcta tcacaaaaac 660
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aaaaaaaaaa aaaaaaaaaa aa 2302

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<210> 2082

<211> 1958

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1340

<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1936)
<223> n equals a,t,g, or c

<400> 2082
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atatctcggg agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180
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aattccccgg tcgaccacac cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660
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1341

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<210> 2083

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 2083

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ctagaactag tggatcccc gggctgcagg aattcggcac gagccgcgt cctgcctcct 120
gccccagcag gcaggaagaa tgggggctga cctctacctt ggtgctcaag agagaggccc 180
cagctggcag ggaccagaa gagcctggag atgttgggtc tggagacccc aactctgatc 240
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1342

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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggncn 1247

```

<210> 2084

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1705)

<223> n equals a,t,g, or c

<400> 2084

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cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaana cccggaacgt aatgtgcca tcgcggtact 240
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1343

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gcaatttctgc tgttagaaaa cgctctggaa gatctggaga acgactctgc cgtcgatgcc 1920
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gcaacctggt atttcaaacg cagctctgca atttcccga cgggttattc cgagtactgg 2040
gcgggccccg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgtcgtt 2100
ttacaacgtc gtgactggga aaaccagcag 2129

```

<210> 2085

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2085

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catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctccggcctcc 180
caagtgctgg gattacaggc gtgagccact gcaccagacc tagaatcttg tataatatgt 240
aattgtaggg aaactgctct cataggaaaag ttttctgctt tttaaatata aaaatacata 300
aaaatacata aaatctgatg atgaatataa aaaagtaacc aacctcattg gaacaagtat 360
taacattttg gaatatgttt tattagtttt gtgatgtact gttttacaat ttttaccatt 420
tttttcagta attactgtaa aatggtatta ttggaatgaa actatatattc ctcatgtgct 480
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tctgtattac tagggaggca tttacagtcc tctaattgtg attaatatgt gaaaagaaat 600
tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa 788

```

<210> 2086

<211> 1350

<212> DNA

<213> Homo sapiens

<400> 2086

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acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
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```

1344

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aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcgtag gtcagttctt 1140
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actgagggaa acatccctct tagctgggaa acttttactc ttcaggagct tggcatcatg 1260
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<210> 2087

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 2087

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tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat atttttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcatgattt tctgtctgtg tttacaaata tattgccaaa 360
caagattttt ttcctcatta tctacaagtt ttacagtttt gaattgtatg tatagggtctg 420
tgatactttt tgagttaact tttgtgaaag ataaaagggtc agtgttggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaactctt gtcaaacctg tccacttctc 600
accatctcca ttttcaatct cttcggacgc gtggggcggac gcgtgggtcg acccgggaat 660
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<210> 2088

1345

<211> 1424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1391)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1406)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1415)
 <223> n equals a,t,g, or c

<400> 2088
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 acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
 acaaaaagata taaaaaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
 tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
 tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
 cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
 tacacataca cacacacagg catacataat tgcataattta caggggtgtt ttgctgatct 480
 atttgaaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
 gaataaggat attatcttac ctaacatatc ttttatcaaa cctacaaaaa ttaacaattt 600
 tatatctaatt attagttcat gtttaggttt tgccgtgttt ccccccattg tcttttacag 660
 tacatgtttt taaaaccagg atctaaggag ttcacagatt atatttgggt attatgtctc 720
 tttagtgtct tttggcatcc ttgggttttc tactttttatc ccccatgaca ctgactattg 780
 gaagagtcca gaccaatttt ctatttgatt gcttccytgt gtgtatcatt taatttggtc 840
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 aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgccatgtgc 1020
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 ttgtcctctg tgaagaaaaa atattagaaa aattacactt gacagtataa gaattgttga 1140
 tttgaataaa tacatgattt ttagaagaca tatgtatgac cagcaggaat agtagcctaa 1200
 taggcctttg tttgggacag aatacacttc agatcatcca gaaatctaaa atcaggcctg 1260
 tgtgcctttg actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaaa 1320
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 actcgagggg ncccttggtg cccganctca agggngcata gtcg 1424

<210> 2089
 <211> 1226
 <212> DNA
 <213> Homo sapiens

<220>

1346

<221> misc feature
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1180)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1197)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1215)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1224)
 <223> n equals a,t,g, or c

<400> 2089
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 tgccggggtc ctccagcccc ctttcttcag caaggagcag ccacaggcct tgaactttgg 120
 aggcattggg atggtgatcg ggcacgarat cacgcacggc tttnacgaca atggccggaa 180
 cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccaccc agcacttccg 240
 ggagcagtca gagtgcata tctaccagta cggcaactac tcctgggact ggcagacgaa 300
 cagaacgtga gcgctgccac cagcaccag gctgcggggg taccggagcc cyagccctgg 360
 ccctgagggg gaggggaagtc agggccgggg ctgccccaat cctgtctcct gtgcgcagtg 420
 aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480
 aaggcctacc tcaagtggat ggcagagggg ggcaaggacc agcagctgcc cggcctggat 540
 ctcacccatg agcagctctt cttcatcaac tatgccagg tgggtgctgg gtccctaccg 600
 cccgagttcg ccatccaatc catcaagaca gacgtccaca gtccctgaa gtacagggta 660
 ctgggggtcg tgcagaacct ggccgccttc gcagacacgt tccactgtgc ccggggcacc 720
 cccatgcacc ccaaggagcg atgcgcgtg tggtagccaa ggccctgccg cgctgtgctg 780
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 gagccccctc cacagacacc cgcggggctc agtgcctccg tcacagctct gtagagacaa 1020
 tcaactgtgt cctgccacc ctccaagggt cattgtcttc cagtatctac agcttcagac 1080
 ttgagctaag taaatgcttc aaagaaaaaa aaaaaaaaac tcgagggggg ccggacccaa 1140
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 cttatcgctt gaganatccc nttnc 1226

1347

<210> 2090
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1602)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1616)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1617)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1628)
 <223> n equals a,t,g, or c

<400> 2090
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 gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180
 actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcatggc 240
 ggggyccecg ctcctccaag ggctgtggcg agggctgcgg gcccgaaggc tgcccagtg 300
 gcttggcaga ggagactgca ccctatgaga gcaacgaggc ctgcgggcag ctccggaacc 360
 cccagggecc cttegcgacc tgccaggcgg tgctgagtc ccttgagtag ttcgcgcaat 420
 gcgtatacga cctgtgcgcg caaaaggggtg acaaagcctt cctgtgccgc agcctggcag 480
 cctacacggc ggctgtcag gcagctggcg tggccgtgaa gccctggagg acagacagct 540
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 gatcctgtgc ggctctctcc ggccctcaccg gctgcaccac ccgctgtttt gagggtgtgt 660
 agtgcgacga ccgyttcctg ctttcccagg gtgtctgcat cctgtccaa gattgtggct 720
 gcacccataa tggccgatac ttgccggtaa actcctccct gctgacctca gactgcagcg 780
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 gtgtagtgtc cgaagtccag atctgccatg gcaaaacgga ggctgtgggc cagggtccaca 1080
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1348

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tccgagtgga tctcccagct gagaagttag catctgtgtc cgtgagtcgt acacctgatg 1200
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tggtctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
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ctgaagaaga cctgggtccct ctggagggtg crgtggctga aggatgcatc atgtgctcct 1500
accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
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attcccgnntt cc 1632

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<210> 2091

<211> 2429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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cggccgctct agaactagtg gatcccccg gctgcaggaa ttccggcacga gtaactgcaa 120
tctggaagat ttggataaatt ggacagcact tatactctgca tcgaaagaag ggcatgtgca 180
catcgtagag gaactactga aatgtggggg taacttggag caccgtgata tgggaggatg 240
gacagctctt atgtgggcat gttacaaagg cctactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tcaactggtc gtacagtgtt tacccaatca tttgggcagc 360
agggagaggc catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca cccctttagt ttgggctgca cgaaagggtc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggaggtta cacacagtca gtaaaagaaa ttttgaagag 600

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1349

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gaatccaaat gtaaacttaa cagataaaga tggaaataca gctttgatga ttgcatcaaa 660
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tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtgggtcatg ttgaaattgt 780
tcgagcgctt ctccaaaaat atgctgatat agacattaga ggacaggata ataaaactgc 840
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taagaaagga gatactycct tgcataattgc tattcgtgga aggagccgga aactggcaga 1080
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gactccttat aatattgact gtagccatca gaagagtatt ttaactcaa tatttggagc 1200
cagacacttg tctcctactg aaacagacgg tgacatgctt ggatatgatt tatatagcag 1260
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aatagcagtg tcactgagct tcttggctct cttatatata ttctttattg tcatttactt 1560
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aagacatat tggatatttg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt acaatagact 1740
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gttgagtgtt ggtccagttt ggaacaagag tccactatta aagaacgtgg acttcaacgt 2280
caaaagggcg aaaaaccgt ntatcanggc gatggccac tacgtggaac cattaccctt 2340
aatcaagggt tttttggggg tcnaaggtgc ccntaaaggc acttaaaatc ggggaccccc 2400
ttaaanggga gccccccga ttttaaaaa 2429

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<210> 2092

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (834)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (864)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (894)

<223> n equals a,t,g, or c

1350

<400> 2092

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gcctgcccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
cccagaggag cgcccagtgg gcaataaacc gagtggcgat ggagatccag cacagatcgc 240
acgagtgcg aggatctggg cgccccaggc ctcaagctct cctccaggac ccacctgagc 300
cagggccgtg cggcgagagg cgtccgagca ctgccaatgt gacgcggggc caccggccgca 360
tcgtgggggg cagcgcgggc cgccccgggg cctggccctg gctgggtgagg ctgcagctcg 420
gcgggcagcc tctgtgcggc ggcgtyctgg tagcggcctc ctgggtgctc acggcagcgc 480
actgctttgt aggcgccccg aatgagcttc tgtggactgt gacgctggca gagggggtccc 540
gggggggagca agcggaggag gtgccagtga accgcacctt gccccacccc aagtttgacc 600
cgcggacctt ycacaacgac ctggccctgg tgcarctgtg gacgcgggtg acccgggggg 660
atcggcgcg cccgtgtgcc tgcccaggag ccccaggagc cccctgccgg aaccgsetgs 720
gccatcgcg gctggggcgc cctyttcgaa gacgggcctk aggctkaagc artgagagag 780
gcccstgttc ccctgstcag caccgacacc tgccgaagag ccctgggggc cggngtcgc 840
cccagcacca tgctctgcgc cganacctgg cggcgggcgt tgactcgtgc cagngtgact 900
cg 902

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<210> 2093

<211> 1815

<212> DNA

<213> Homo sapiens

<400> 2093

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gcgtggatcc aagatggcga cggcgatgga ttggttgccg tggctctttac tgctttttctc 60
cctgatgtgt gaaacaagcg ccttctatgt gcctggggtc gcgcctatca acttccacca 120
gaacgatccc gtagaaatca aggtgtgaa gctcaccagc tctcgaaccc agctacctta 180
tgaatactat tcaactgccct tctgccagcc cagcaagata acctacaagg cagagaatct 240
gggagagggt ctgagagggg accggattgt caacacccct ttccagggtt tcatgaacag 300
cgagaagaag tgtgaagttc tgtgcagcca gtccaacaag ccagtgaacc tgacagtgga 360
gcagagccga ctcggtggcc agcggatcac agaagactac tacgtccacc tcattgctga 420
caacctgcct gtggccaccc ggctggagct ctactccaac cgagacagcg atgacaagaa 480
gaaggaaaagt gatatcaaat gggctctcgc tgggacactt acctgaccat gagtgcgtc 540
cagatccact ggttttctat cattaactcc gttgttgtgg tcttcttctt gtcagggtatc 600
ctgagcatga ttatcattcg gaccctccgg aaggacattg ccaactacaa caaggaggat 660
gacattgaag acaccatgga ggagtctggg tggaaagtgg tgcacggcga cgtcttcagg 720
ccccccccag taccatga tcctcagtc cctgctgggc tcaggcattc agctgttctg 780
tatgatcctc atcgatcctt ttgtagccat gcttgggatg ctgtcgccct ccagccgggg 840
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gttcgggatc tccctgcccc tcgtctactt gggctactac ttcggcttcc gaaagcagcc 1140
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cgagctcttc ttcattctca gtgctatctg ggagaatcag ttctattacc tctttggctt 1320
cctgkctcct gttttcatca tcctgggtgt atcctgttca caaatcagca tcgtcatgg 1380
gtacttccag ctgtgtgcag aggattaccg ctgggtgggtg agaaatttcc tagtctccgg 1440
gggctctgca ttctacgtcc tggtttatgc catcttttat ttcgttaaca agtgactgca 1500
gcgccaaagc gcatccacca agcatcaagt tggagaaaag ggaaccaag cagtagagag 1560

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1351

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cgatattgga gtcttttgtt cattcaaadc ttggattttt ttttttccct aagagattct 1620
cttttttaggg ggaatgggaa acggacacct cataaagggt tcaaagatca tcaattttttc 1680
tgactttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgcctttttt 1740
ttggtcggat tgtaaataaa tataaccattg tcctacaaaa aaaaaaaaaa aaaaaaactt 1800
ctcggccgca aggaa 1815

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<210> 2094

<211> 5459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3960)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3961)

<223> n equals a,t,g, or c

<400> 2094

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1352

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1353

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<212> DNA

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<220>

<221> misc feature

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<400> 2095

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1354

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<210> 2096

<211> 1781

<212> DNA

<213> Homo sapiens

<400> 2096

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1355

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<211> 3095

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

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<222> (3072)

<223> n equals a,t,g, or c

<400> 2097

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1356

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<210> 2098

<211> 1414

<212> DNA

<213> Homo sapiens

<400> 2098

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1357

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1414

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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

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<221> misc feature

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<400> 2099

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1358

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<211> 1186

<212> DNA

<213> Homo sapiens

<400> 2100

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1359

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<211> 3109

<212> DNA

<213> Homo sapiens

<400> 2101

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1360

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<210> 2102

<211> 1438

<212> DNA

<213> Homo sapiens

<400> 2102

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<210> 2103

<211> 2443

<212> DNA

<213> Homo sapiens

<400> 2103

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cgcatgccga ggggtccggg ggcgtactgc gcgcggcgcg ccgcctccgg gctccttcgg 240
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1361

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<211> 2519

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1349)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2519)

<223> n equals a,t,g, or c

1362

<400> 2104

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<210> 2105

<211> 1312

<212> DNA

<213> Homo sapiens

<400> 2105

1363

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gtgaccaaga ggaacagaaac acagagcagc ctggcagtgt ccaagcaaca agcctccgct 180
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```

<210> 2106

<211> 1871

<212> DNA

<213> Homo sapiens

<400> 2106

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1364

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aaaaaaaaa a 1871

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<210> 2107

<211> 1309

<212> DNA

<213> Homo sapiens

<400> 2107

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```

<210> 2108

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

1365

<221> misc feature

<222> (866)

<223> n equals a,t,g, or c

<400> 2108

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<210> 2109

<211> 1377

<212> DNA

<213> Homo sapiens

<400> 2109

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tactgatatt taaataaaga gttctatttc ccaaaaaaaaaa aaaaaaaaaa aaaaaaa 1377

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1366

<210> 2110
 <211> 788
 <212> DNA
 <213> Homo sapiens

<400> 2110
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 tctggttata gaacttggcc aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
 catgtgtgtg ggagagaagc gaagggcaat cattccttct cacttggcct atggaaaacg 480
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 aaaaaaaaaa 788

<210> 2111
 <211> 1019
 <212> DNA
 <213> Homo sapiens

<400> 2111
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<210> 2112
 <211> 975
 <212> DNA
 <213> Homo sapiens

1367

<400> 2112

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aaaaaaaaaa aaaaaa

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<210> 2113

<211> 1173

<212> DNA

<213> Homo sapiens

<400> 2113

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<210> 2114

<211> 1708

<212> DNA

<213> Homo sapiens

1368

<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<400> 2114

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aatgttagtt agtaggtaga cttagatccc atttctgtcc tgctcccagg aagattctta 1260
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tcctggaggc tgccatggtt ggaagatggt atcagagggc ctgcctgggc agtctgtctc 1440
cggggcaggg tcagggaccc tctgcctctg gcagccttaa cctgtcctct gctaggacca 1500
gggtgatttc aagccaggga agcaactggg accctgaaaa ctgtccctcc ccagcccgtc 1560
ccccctctct gtgccctggt ccccttgctg ccattgtggat gctgttgtga ttgctgtttg 1620
tatattatca aaatgttttt atattaaaaa tgtttggtct gaaaattaaa agcacttcat 1680
ttagaaaaaa aaaaaaaaaa aaaaaaaaaa 1708

```

<210> 2115

<211> 1877

<212> DNA

<213> Homo sapiens

<400> 2115

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cctgaaggga gagcaggga agagaggaca gtggccagag agggctctgg gcactggagg 60
gacgtctctt ttcctgcca ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccctggaa gactggcggy gacagttata ggaggagctg ctcagagtaa 240
atcacagact aatcagact caatcacaaa agagtccctg ccaggccttt acacagcccc 300
ttcctccccg tccccgccct cacagggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gccacagga cttcagcctg aacttcgacc gggccttcct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cgggtggcagc 540

```

1369

```

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctage 600
tgtagcagac acrcctgctgg tgctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaactteta 720
cgcaggagcc ctctgctggg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgcccgg ggcccccgcc ccgctgacc ctcacctgcc tggctgtctg 840
ggggctctgc ctgcttttctg ccctcccaga cttcatcttc ctgtcggccc accacgacga 900
gcgctcaac gccacccact gccaatataa cttcccacag gtgggcccga cggctctgcg 960
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ccacatcctg gccgtgctgc tggtttccag gggccagcgg cgctgcggg ccatgcggct 1080
ggtgggtggg gtcgtgggtg cctttgccct ctgctggacc ccctatcacc tgggtggtgct 1140
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agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaacccgct 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgccct 1320
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catcctgccg ccgaggtgg ctgcctggag ccccatgccc cttctcattt ggaaactaaa 1680
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agccacagcc caggcctcca gctcagcagt gactgtggcc atggtcccca agacctctat 1800
atttgctctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

```

<210> 2116

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 2116

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ggcacgagag atggcgggcg aacagcggga ctgcgggggt gctgcgcagc tggcgggggc 60
ggcgggcgag gctgaccccc taggacgctt cacgtgtccc gtgtgcttag aggtgtacga 120
gaagccggta cagggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgtg tcgcagcgcct ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttcctg tccaagatcc ggtccacgt ggctacttgt tccaaatacc agaattacat 360

```


1370

```

catggaaggt gtgaaggcca ccattaagga tgcattctctt cagccaagga atgttcctaaa 420
ccgttacacc ttctcttggt cttactgtcc tgagaagaac ttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaattc gtggtttgtc cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg tttctttatg acaacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcagggt ttgcagcgct ccattcatga ccagtgcgca gaggccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaaggg 780
gggggggnccc gggtacccca atttcggccc tattaggtna agtcgtna 828

```

<210> 2117

<211> 2520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2520)

<223> n equals a,t,g, or c

<400> 2117

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ggcacgagca cttcctggcc aggaaacctg agcggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aacccgaccc accaccatga ggtcctgcct 120
gtggagatgc aggcaacctg gccaaaggcgt ccagtgggtc ttgcttctgg ctgtcctggg 180
cttcttttctc ttgcgccttg cctctttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaagggt tctacagtcc ctggcaaac ctaagtccca 300
ggcacccaca agggcaagga ggacaacccat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaacccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaagggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca ccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacacaa agacgaccca 600
aggaaatggg ggccagacca ggaagctgac ggccctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgct cattcccaaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcatccc 780
acctaaggag aagaaacctc aggccacccc accccctgcc cctttccaga gccccacgac 840
gcagagaaac caaagactga aggccgcaa cttcaaatct gagcctcggg gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaaagcctc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttctc 1020
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tggtctcatg gagctcaact actccttggg gcagaagggtc gtgacacgct tccctccagt 1140
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tgccgtggtg ggcaacgggg gcacccctgaa caactccac atggggccagg agatagacag 1260
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gggcaatcgg gggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttcct 1440
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gctgctcact gcccttcagc tctgtgacca ggtgagtgct tatggcttca tcaactgagg 1740
ccatgagcgc ttttctgatc actactatga tacatcatgg aagcggctga tcttttacat 1800
aaacatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

```

1371

```
c c g g c t g t a c   c a g c g t c c t g   g t c c c g g a a c   t g c c a a a g c c   a a g a a c t g a c   c g g g g c c a g g   1920
g c t g c c a t g g   t c t c c t t g c c   t g c t c c a a g g   c a c a g g a t a c   a g t g g g a a t c   t t g a g a c t c t   1980
t t g g c c a t t t   c c c a t g g c t c   a g a c t a a g c t   c c a a g c c c t t   c a g g a g t t c c   a a g g g a a c a c   2040
t t g a a c c a t g   g a c a a g a c t c   t c t c a a g a t g   g c a a a t g g c t   a a t t g a g g t t   c t g a a g t t c t   2100
t c a g t a c a t t   g c t g t a g g t c   c t g a g g c c a g   g g a t t t t t a a   t t a a a t g g g g   t g a t g g g t g g   2160
c c a a t a c c a c   a a t t c c t g c t   g a a a a a c a c t   c t t c c a g t c c   a a a a g c t t c t   t g a t a c a g a a   2220
a a a a g a g c c t   g g a t t t a c a g   a a a c a t a t a g   a t c t g g t t t g   a a t t c c a g a t   c g a g t t t a c a   2280
g t t g t g a a a t   c t t g a a g g t a   t t a c t t a a c t   t c a c t a c a g a   t t g t c t a g a a   g a c c t t t t c t a   2340
g g a g t t a t c t   g a t t c t a g a a   g g g t c t a t a c   t t g t c c t t g t   c t t t a a g c t a   t t t g a c a a c t   2400
c t a c g t g t t g   t a g a a a a c t g   a t a a t a a t a c   a a a t g a t t g t   t g t c c a t g g a   a a g g c a a a t a   2460
a a t t t t c t a c   a g t g a a g a t g   c a a a a a a a a a   a a a a a a a a a a   a a a a a a a a a a   a a a a a a a a a n   2520
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<210> 2118

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

1372

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 2118

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ggntagncaa ntcnctccca tgattacgcc aagctctaata acgactcact atagggnttt 60
gttggtacgc ctgcaggtac cggtcgggaa ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtatttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttacctgtg tttttttttt attggtgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tctctgcaac ctccgcctcc caggttcaag 360
caattttcct gcctcagcct cccgagtacc tgggactata tgtgcgccacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggtgg gctgggtctg 480
aactcctaac ctcaagtgat ccaccgcct cagcctccca aagtgctggg attacagggtg 540
tgagccactg caccagcct accttggtg tttgngtctg ggagggtttt ttttttctat 600
tnttattttt tcatgaaaat tattggnggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692
```

<210> 2119

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

1373

<221> misc feature
 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (374)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<400> 2119
 gggcatggtg gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60
 ttgaaccceg gagacggagg ttgcagtgc ccgagatcat gccagtgcac tccagcctgg 120
 gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180
 taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240
 ggcgggatcc ccantctccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300
 ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360
 tgnccctcaag ttttctgaga catgtttgcc cctggaagcg gtgattttgg ccatcattgc 420
 tagnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120
 <211> 204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1374

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)

1375

<223> n equals a,t,g, or c

<400> 2120

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tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag 204
```

<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

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aattcggcag agttgtgggc cgaagaatat gctcatgtgg tgttgaggaa agcagacatt 60
gacctacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actgggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ctttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtgggttt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtaccattt 360
gcccttn 367
```

<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>
 <221> misc feature
 <222> (234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (240)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (242)
 <223> n equals a,t,g, or c

<400> 2122
 ggggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctgtt 60
 ggaccgcgtg cagcacctgg gtgcccctgt cacccttcgc gcctcttata tggagatcta 120
 caatgagcag gtctcagccg tcgaaggaac tcagcccaca ccttgaacca ggcctccagc 180
 cgaagccatg ccttgctcac cttttacatc agctccaaaa aaaaaaatna attntttatn 240
 nnc 243

<210> 2123
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (260)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (293)
 <223> n equals a,t,g, or c

<400> 2123
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 agttctacag ttgtagaatc tcaagagggg ctttctggca ctcatgtccc agagtcttct 120

1377

gattgttggtg aagggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180
gattacttta atattgatga acgcgcacaaa atggcccact aattagtgat gctgaacttg 240
atgcctttct gacagaacan tatcttcnga ccactaacat aaatcttttg aanaaaatgt 300
taaatagactc taaatcg 317

<210> 2124

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

1378

<221> misc feature
 <222> (193)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (232)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (233)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (272)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<400> 2124
 gaatcctnnt ggaaaaccnc tcactatagt naaagctggt acncctgcag gtaccgggtcc 60
 ggaattcccc ggtcgaccca cgcgtccgca ccgggcactt ccaccaacgg caaagnccctg 120
 gctgccactg caccactcc tggcatcccc atcctgcagn ctgnaccctc cgccccaccc 180
 cccaaagccc agncagtttc tcccgtgcag gccccgcccc cgggtggctc annccagctg 240
 ctgcctggga aggtcctant gcctctggcc gncctagca tgtcagtgcg gggngggaggg 300
 gccgg 305

<210> 2125
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (68)
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1379

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<222> (279)
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<220>
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<400> 2125
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tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120
gatggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacgngtata acgctgncat 240
ggacgtgggt aaaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126
<211> 333
<212> DNA
<213> Homo sapiens

<220>
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1380

<222> (131)
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<220>
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 <222> (224)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (293)
 <223> n equals a,t,g, or c

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 <222> (304)
 <223> n equals a,t,g, or c

<220>
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 <222> (317)
 <223> n equals a,t,g, or c

<220>
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 <222> (318)
 <223> n equals a,t,g, or c

<220>
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 <222> (324)
 <223> n equals a,t,g, or c

<400> 2126
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 gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120
 cttcctcacc ntggatgcct gtgggctgcc ttcctcacc tggatgcctg tgggcagcct 180
 tcctcaccct ggatgcctgt gggctgcctt ctcaccctgg atgnctgtgg gctgccttcc 240
 tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttntcaacc 300
 tggntgactg tgggcannct ttentaacct gga 333

<210> 2127
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (203)
 <223> n equals a,t,g, or c

1381

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<400> 2127
gttgaggacc cgctgcggag ctgctgcctg gtggcgcggg acgcccagga gcccgagggc 60
gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120
cagcggggag tcggcgccgg gggtcccag gagggcgcg cccctgccac ctcggccgag 180
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240
acacgttcca ggntgagccg cngn 264

<210> 2128
<211> 667
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

1382

<220>
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<220>
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<222> (522)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (584)
<223> n equals a,t,g, or c

<220>
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<222> (613)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (624)
<223> n equals a,t,g, or c

<220>
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<222> (631)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (666)
<223> n equals a,t,g, or c

<400> 2128
gcaaataattc attatttgtt ctactggaaa taaaaataact aattcaatgg atttgagttt 60
atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120
tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180
aattcatatt ttttcttgga caatatgcta atattttattg atttcacaaa ttacagcat 240
atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300
accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360
aagcccagtg gaacctttat caagaaccca aactagcaaaa acctatggag aanataagcc 420
tcagcaaatc accacaaaaa ctgacccctaa aaattgaana agaaaaaaaaa cggcaattga 480
gggccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaaat 600
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatatt 660
tggaana 667

<210> 2129

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<223> n equals a,t,g, or c

<220>

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<222> (10)

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<222> (56)

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<220>

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1384

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<220>
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<220>
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<222> (330)
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<220>
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<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (355)
<223> n equals a,t,g, or c

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atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120
tnntatctga ttggaatagc aagtattttt tgttttgatt ncattttttat acatactttt 180
atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240
aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300
agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatgggttgn ggtgnagaat 360
attaaatact catcaagaaa aaaa 384

<210> 2130
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

1385

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<222> (398)
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<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2130
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cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtccca gagcccgtt 120
ttgctcgtatg aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtca gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300
ccacatcttc cccaaagcaa tgtgagtcct anagcccgtt tttggtcttt ccacaaattn 360
cattactaag aaacacatca aataaactga ctttttttnc ccaaaaaaaaa aaann 415

<210> 2131
<211> 499
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

1386

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
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<220>
<221> misc feature
<222> (408)
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<220>
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<222> (481)
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<220>
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<220>
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1387

<222> (498)

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<220>

<221> misc feature

<222> (499)

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<400> 2131

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tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgccacc atccgctacc ccgatccct catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcac caagtccgac actggtaacc tgtgtatggt 300
gacttggagg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cnggggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatttttt tttttggaag ggaacaanct ggnntttttt ccggggaagg gtttcngctt 480
nccttttttt ggggggggnn                                     499
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<210> 2132

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

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<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

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<220>

<221> misc feature

1388

<222> (233)
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<220>
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<222> (283)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (292)
<223> n equals a,t,g, or c

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ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc acactggctt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcatca caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133
<211> 575
<212> DNA
<213> Homo sapiens

<220>
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<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (470)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

<220>
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<222> (527)
<223> n equals a,t,g, or c

<220>

1389

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (544)
 <223> n equals a,t,g, or c

<220>
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 <222> (573)
 <223> n equals a,t,g, or c

<400> 2133
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 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtgt ccactgtgag 120
 gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcgggtccct gagactctcc 180
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccaggctcca 240
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattgggtg gacaacagaa 300
 tacgccgcgt ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
 gactacaggc acacccctgg ctactggggg cagggaaacc tggtcaccgn cttctctggc 480
 ttccaccaag ggccatcgtc ttccccctgg ngcccttggt ccaggancac ttccgaaanc 540
 cagnggcctg ggcttgctgg gcaagggctc ttnc 575

<210> 2134
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (52)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<400> 2134
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 gaactagtgg atccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240
 gaaatctcat tagggtttta gaatatctca gggatcctta atgttttgat ttttgttttc 300
 tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360
 gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420
 ctctacactg tgggtgcactt aacttggtga atttttatac taaaaatgta ggataaagac 480
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

1390

acttagcttg ttttttag

557

<210> 2135

<211> 552

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)

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<220>

<221> misc feature

<222> (5)

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<222> (6)

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<222> (14)

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<222> (341)

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<222> (354)

<223> n equals a,t,g, or c

1391

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 2135

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ncaannnnga cacnaaccct cactaaaggg aacaaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtggg tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgttggctg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcacct ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgctccc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaata tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagttag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

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<210> 2136

<211> 618

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (44)

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<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 2136

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aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggncggcc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcaccaaaaag cagggaagag tggaaaaagt 180
tcaaaaagaag gacaagacac agtagaatca gagtgctact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttggggc cttcactgct tctcataag 300
gataccagag gcaacctggc atattaagct tgacacttgg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtcct cagctcactg cttcacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcagtatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

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1392

<210> 2137
<211> 522
<212> DNA
<213> Homo sapiens

<220>
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<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<400> 2137
anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtgg atcccccggy ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaagc 180
ctaataccgcc tgtttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaaac 240
tactaaatga taaagctgtt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360
gcccaatctg tgctcgacag ctaggaaaac agtgggcggt actgacctgt ggtcactgtt 420
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcacia ag 522

<210> 2138
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

1393

<400> 2138

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tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatgggtggc 240
tgtcccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaaag taatttccgt aaggggcatc aacgtagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagac atataatcaa aagaggat 508

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<210> 2139

<211> 546

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (21)

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<220>

<221> misc feature

<222> (24)

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<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<400> 2139

```

ccctcactaa nggaacaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ctttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgttaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa tttcacacag ccaatcttc caccaaagat 480
atggaaatth atgtgattat gggaccaca atatattgga tttgaaaagt atgtcactga 540

```


1394

tattca

546

<210> 2140

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 2140

```
gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagttctg gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggtcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttagggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacct ccccgattat acagaggttg 360
gatttctgca gccittaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
ccccaaatgc atgtacttct aggtcttttag ttggattttg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537
```

<210> 2141

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 2141

```
tcaaccctca ttaaaggga caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc cccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480
```

<210> 2142

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1395

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 2142

```

ggnganntca acctcactaa agggaaacaaa agctggagct ccaccgcggt ngcgggccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatatTTTtg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatggtttt gaaaacagca 300
ttatgatgag agggaaacttc gtaatttcat gagaatgtag atgggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctcctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc                                     500

```

<210> 2143

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 2143

```

gangtcnanc ctcaactaaag ggaacaaaaag ctggagctcc accgcggtgg cggccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggct tctagttagat 120

```

1396

```
tactttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcactggggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gtaaatatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
```

<210> 2144

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2144

```
gaaaaatcac aagccttctg tacttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
```

<210> 2145

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

1397

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

1398

<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<400> 2145
cgggccccgag atgtctcgct cntttncnt agctntgctc gcgctactct ctctttcttg 60
cctgtaggct atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa 120
tggaagtca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgca attnggaatg gatgaattcc 420
aaa 423

<210> 2146
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (371)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (458)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (514)
<223> n equals a,t,g, or c

<220>

1399

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<400> 2146

```
gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggg tcatggaatg cctctacagc caagaaatct 120
ctccctaata gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaatc tcagaggagc 360
ccgagtccca ntggcaccgg actcgtctct cttctccctc accgacgcc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

<210> 2147

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

1400

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1401

<222> (484)

<223> n equals a,t,g, or c

<400> 2147

```
aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgagggtc actgccttgg gcattctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtgag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncca caccatttca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttggttattn tanttccagc ttngggnggt nagagggttg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499
```

<210> 2148

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2148

```
gatgaattga gtgaagctct cctacttata aagggtcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtga attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacgggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gacccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtgggaa agtatgttca tcttcttgat 300
atcagggtctg cacgtatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcataattc ccatanccaa aattttcaca gaaaagcaag 420
gcagatatcc acgttggtga tatttggttg gcctctgtat ataacggtga a 471
```

<210> 2149

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1402

<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)

1403

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<400> 2149

```
ggaacggggg ggaantgtga acctcttaaa gttggtcccc tgccngtacc ggtccggaat 60
tcccgggtcg acncacgcgt ccgtncaga tggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345
```

<210> 2150

1404

<211> 346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (102)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (108)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (290)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (325)
 <223> n equals a,t,g, or c

<400> 2150
 agtcgctctc ctagcccttc tntgtgcctc agcctctggc aatgccattc aggccagggtc 60
 ttctctctat agtggagagt atggagggtg tgggtggaaag cnattctntc attctggcaa 120
 ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180
 tcttcagggtg cgctatggca aggtgtggag cgactatgtg ggtgggtcgca acggagacct 240
 ggaggagatc tttctgcanc ctggggaatc agtgatccag gtttctgggn agtacaagtg 300
 gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (133)
 <223> n equals a,t,g, or c

1405

<220>
 <221> misc feature
 <222> (203)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (223)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (258)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<400> 2151
 gcagggggct gctttgcac tgaactgtc agccccagaa tgttgacagt cgctctccta 60
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccagggtcttc ctccctatagt 120
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180
 catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgccta 240
 tgggcaagggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300
 aatcttttct tgcctccctt ggggaaatcn 330

<210> 2152

<211> 544

1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (493)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (544)

<223> n equals a,t,g, or c

<400> 2152

```
tttttttttagc atcatgttta cgcccttgga cagatacant gatagaaata tgcaaattaa 60
tagacatcaa tactgtgCGT taaaggctat gtctgctgta ctgtgttggt gccctggtgc 120
agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acatttttga 180
ttctctggac aaaaagggttc accagctggg ctgtgaagca gttacgttgt tactggagct 240
gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
gagggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360
atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc cnttacacaa 540
tntn 544
```

<210> 2153

1407

<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 2153
gcggacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60
tgagagaagct actcatgata gcaggagaag agcgggcact gtgtcttgtg gacgtgaaga 120
aagtgaaca gtccctggcc cagtcccacc tgcctgcca gcccgacatc tcaccaaca 180
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1408

<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
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<222> (159)
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1409

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1410

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2154

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gacctcattc gccaccaacn gacccacncn gnagaccnnc nctnacctgg ggccccagca 180
tgggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gtttgtaggg aggccatgnc 360
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<210> 2155

<211> 502

<212> DNA

<213> Homo sapiens

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<220>

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<222> (456)

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<400> 2155

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acatttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcctggaatg tttgaattga 180
tggaagattt acaagaacaa aagtccagaa tggtgacctt attttacaaa acaagctgca 240
tatcagctga tgaatgcatg agaaattttc aaggctttca cagtgggtctt aaggtatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggg tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattt tg 502

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<210> 2156

<211> 464

<212> DNA

<213> Homo sapiens

1411

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1412

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cccgggtcga cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttaccce cagccaccac ctgccccgcc tcgtccaagc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cgggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggt gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggg tatgagaagg ggaagcctgt gggncctaang ggcg 464

<210> 2157

<211> 316

<212> DNA

<213> Homo sapiens

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<220>

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<222> (212)

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<220>

<221> misc feature

<222> (268)

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<220>

<221> misc feature

<222> (276)

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<222> (283)

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<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 2157

1413

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gtttcgccctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcatc caggtgaggc ctgggcggca agcagggggc aggccagccg 180
tgccctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggg cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgncctc tgnnagcagc ggctgggtgg 300
tcaagggcgg ncccgt 316

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

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<222> (247)

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<221> misc feature

<222> (341)

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<220>

<221> misc feature

<222> (360)

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1414

<400> 2158

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gcaggncctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
aggttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcattgttg cctaataaat 180
gcaacagcca caggaactga aattcttaaa aacttggtac taccaggatg tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttnccttcct 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca 362
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<210> 2159

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (73)

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<400> 2159

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gacctcgctc gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60
gagactgata canagcatt 79
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<210> 2160

<211> 446

<212> DNA

<213> Homo sapiens

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<220>

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<222> (363)

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<222> (417)

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1415

<222> (429)

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<221> misc feature

<222> (439)

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<400> 2160

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ggatggggag ccaggctcag aggtggacgc tggctgectg ggccacctcc tttcccagagc 120
cccatctggt cgagcagaga gcagagggag agggagtgtc ccggtgcccc ggctcccaga 180
gtgctgtcct ctgcccggtt cgtcaagtcc aggtagtgga tcccagtgga gcttcggtgc 240
tggagggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggg ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac 446
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<210> 2161

<211> 450

<212> DNA

<213> Homo sapiens

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<220>

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1416

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<400> 2161

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aatggagttg ggggaagggc cctgaaggca gccccaggcc tgactgtggg cctccagcta 120
caggcatattg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttcctg ggtgaaggac aaagtngggg aaggcaacan ggctgggggt taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450
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<210> 2162

<211> 405

<212> DNA

<213> Homo sapiens

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ggaattcccg ggtcgaccca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagcccg tgtggggggc ggccacgggg 180
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1417

```

gagatcccaa gctcagtcct cacaaagttc agggcccggtc ggaggcaggg gcagggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgagc gtcccaagca cgtgccctgc accccanaga 360
ggcgtccccc actggggctg gcgngaggg tgcnnngagt ggtcc 405

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<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

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gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttggtgtt aaagccccca 120
aactgtttcc tgtggcctat aacctcatca aaccttctct gagtgaggac actcgtaaga 180
agatcatggt cctgggaggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttctgaag accnagatgg gagaanagc ancngcagn 280

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<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

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1418

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aagaggggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatitg 180
gccattaccc agcacatgac gacttctatc tcgtagtgtg cagtgcctgt aaccagggtcg 240
tcaagccaca ggttttccag tcgcaactgcg ccggggcctgc aactgttcca ctttctggat 300
cctccttcag cttctctgac tcctggggcca ggtgtgtgca tttagctcca tgctgaagag 360
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420
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<210> 2165
<211> 502
<212> DNA
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1419

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<220>

1421

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1422

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<220>
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 tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
 gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
 catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
 tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
 tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
 tagactatac tcagaaactg ggatangggag ttanaccatt taaaacgggt gtatganggc 480
 ctgnaatatg tgacaantga at 502

<210> 2166
 <211> 455
 <212> DNA
 <213> Homo sapiens

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<220>
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1423

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<220>
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1424

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<222> (317)

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<220>

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1425

<400> 2166

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cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtggggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacacttctc tagctcanc cccacaggcca 180
aagcatcagc accanaacgc acacccancc catccccnna nagaagaagan gaaacagcca 240
agacccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctgggtg ggaaaanaaa atgcctntcc tctccctgga aagacctggg cctccccgc 360
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tgtaaccaa aatttttcct nccnaaatta aatnc 455

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tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcaactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatggtatt gatggaacag 420
taaaaaaaaa annnnn 436

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1426

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agaccttttcg aatgtattga atgtggaaag gccttttagta atggttcatt ncttgetcag 180
catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240
agccatcggtg gatacctaata tgtacatcag agaattcata ctggngagag accctacgaa 300
tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360
catactggag aanancctta tgaatgtaaa gtattgtngg aaagccttca gncaaattgc 420
ataccttgat caacatcaga gggntcatatc tggagagaaa ccctatgaag gtattggaat 480
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aa 542

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1431

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tttgcaccag tacaacacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180
cggcggttaa aatggcgacg aggttaccac ccacanccan ggggggcact ttccggggaa 240
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300
aattccagcn agggntgnnc caggcngntc cataaantnc cgngngggg gntnaaatnn 360
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1433

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tgccggcccc cgctctgccc tggattggta gcttatgtcg atcttgatga aagagcaatt 120
gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240
aggcagagag agaaacaggg gagcaagggtg caagagtcca caaagggacc tgatgaagcg 300

1434

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aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatattg taggcaaaat accaagggat ttatatgagg atgaattggt gccccctttt 480
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
ganggtatgc atttatcacc ttctgnggna aaggaanctg ncaggaagcc c 591
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<210> 2171

<211> 536

<212> DNA

<213> Homo sapiens

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gaccccccttc gcgggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggnngggggg gcggggcgccg gcggttttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagaggga gcctgagaaa cggtaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccg acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420
ctgtaattgg aatgagtcca ctttaaattcc tttaacgagg atccattgga gggcaagtct 480
ggtgccagca gccgcggtaa ttccagctcc aatagcgtat attaaagttg ctgttg 536
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<210> 2172

<211> 252

<212> DNA

<213> Homo sapiens

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1435

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ggaggntnaa tggcncggac atggaagccc acgctgggtca tcctgnggat caaacgggct 120
ggccgatgcn tgcgctgggn ccccaacgag aacaagggtg ctgtgggcaa cggatctngg 180
gagantcca tctggtatct ccagcaagga gaatgactag gnggggttag caaagcacat 240

1436

naagaagncc at

252

<210> 2173

<211> 480

<212> DNA

<213> Homo sapiens

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<400> 2173

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gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcattc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt tacccaagga aataggggaaa ttgngatttg aaccagattc ttactttttt 360
aaacactatt tatgcagcct gotttagtttc taaaatagtc aaaggggggtt tttttgggtg 420
gtaataaata acatttttgaa agtcctanaa naaagatgaa aaggaacttt anactnnngg 480

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1437

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1438

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 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180
 gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan aactcgcct 240
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300
 ggcacgacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaagggaa 360
 aaaggaaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420
 gcgttggctt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480
 ccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540
 accaggatcn cccctctccc tgttcacagg c 571

<210> 2175
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
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<400> 2175
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 ggtgtgcgtg tggccagggg tccatccgct tccctctagc ccagccctg aacacagctg 120
 cagtgcacgg cccactcct cagctctgct ccccatccca actcgaagac gctgccctgg 180

1439

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ccctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttggggcaag 240
agctngagct gtcttttctt tcttgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg ccccttgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcacccccag ctctcagtc agcagacaga 420
ccccccccag gctgactaca gaggct 446
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<211> 452

<212> DNA

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1440

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ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180
ataatccgga tgggtgtgta cgatgacggt ctggggggcgg gaaaaagctt actggctctg 240
aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300
ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360
tgagaaaacc ttgnatcctt nnaattaaagt agaagnctaa cttnatctga aaagttcatc 420
tgttttcaaa ctgcaatgct gaaatgttat tg 452

<210> 2177
<211> 368
<212> DNA
<213> Homo sapiens

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1441

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cagaaatccg tactactttg actactgggg ccagggaaac cctggtcacc gtctctcag 120
cctccaccaa gggcccatcg gtcttcccc tgggcaccct cctccaagag cacctctggg 180
ggcacacggg ccttgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240
ggaaactcag gcgcctnac cagcggggtt tcacaccttc ccgggtgttc ctacagtcct 300
caggantcta ctccctcagn agnttnntta accgtgcctt cccagaagct tggggaccaa 360
aaactact 368

<210> 2178
<211> 359
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (332)

1442

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<220>

<221> misc feature

<222> (338)

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<220>

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<222> (344)

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<220>

<221> misc feature

<222> (358)

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<400> 2178

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aaggtggggc agnaccatg ctgcgtgcgg ctggagcagg cctgggagga gggcggcatc 120
ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctggggg 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359
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<212> DNA

<213> Homo sapiens

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<222> (71)

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<220>

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<222> (162)

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<220>

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<220>

1443

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<222> (239)
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<220>
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<220>
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<220>
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<220>
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<222> (288)
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<220>
<221> misc feature
<222> (290)
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<220>
<221> misc feature

1444

<222> (296)
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<220>
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 <222> (407)
 <223> n equals a,t,g, or c

<400> 2179
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 ctctcaatct natccatcat agcaggcagt tgagggtggat taaaccaaac ccagctacgc 120
 aaaatcttag catactcctc aattaccac ataggatgaa tnntagcagt tctaccgtac 180
 aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240
 cnactactca actnngggtc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360
 ntnaccggct ttgagcccag atgggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (540)
 <223> n equals a,t,g, or c

1445

<400> 2180

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gcggaacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccgggcca ggttaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttggt gcaaatgaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatddd tcctttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggaggggttc taatttttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610

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<210> 2181

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<400> 2181

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gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggtctt tagtagcttt cccaaaactc aaacggcaag ttttgttgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaagggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaacccagg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcaat agagtggcta atag                                     504

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<210> 2182

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

1446

<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2182
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accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccgaggc ggagcaggcg 120
tgcccgacaga gcagcgggga ggaggagctg cagctccagc tgccctggc catgagcaag 180
gaggaggccg accagccccc gtcctgcggc cccgaggacg acgcccagct ccagctggcc 240
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcgg ggatgacctg 300
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gaccctggg 420
ggggcccaca cccatgggtt gntgccgtcc cacgggttgc ccaacttgga cccctggggc 480
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183
<211> 333
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (6)
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<220>
<221> misc feature
<222> (277)
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<220>
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<222> (287)
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<220>

1447

<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 2183
gccntngcgt ccgattttaa tgacatctat gaggaagagc catttaattt tcaaattgggc 60
tataatgagt ttcagaagtt tggtcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180
agaacttcag gaaattcaca gagagagtcc agctgatgaa actgcttttg gataatactc 240
aaattatgaa tgctctgcag aaaatatccc aactggngta cagatgngaa gccangggcc 300
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1448

<400> 2184

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gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttgggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg          230
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<210> 2185

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

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<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

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<222> (325)

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<220>

<221> misc feature

<222> (345)

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<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

1449

<220>
<221> misc feature
<222> (407)
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<220>
<221> misc feature
<222> (415)
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<400> 2185
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gtcgcacccac gcgtccgaag gctttgaaga gaggetccct gctgggctgc ttcattgata 120
ccagaagtgc tgcagaatct gagggccgga cgccggttgg tcttattaag ggtcatgcct 180
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcatccgaa 240
tccggaaccc ttggggccag gttgagtgga acgggtcgtg gagecgacagt tctccggagt 300
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360
attctggatg gcatttaagg acttaaggcc cctttgataa antgganatc tgcancct 418

<210> 2186
<211> 512
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (401)
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<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

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<222> (499)
<223> n equals a,t,g, or c

<220>

1450

<221> misc feature
<222> (511)
<223> n equals a,t,g, or c

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gaacaaccag ctgctgcaact tcgccttccg ggaggacaag cagtgggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcgggatgt tcgcccctgc cctgcccgtcc gacctgctgg tcaacgteta 360
catcaacctc aacaagctct gcctcacggg gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccaact gggggcgcgg nctgcataa ccttggggcc atgttcnaat 480
ggggctttta cgcctggang tgaaccacgt nc 512

<210> 2187
<211> 458
<212> DNA
<213> Homo sapiens

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<220>

1451

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<220>
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<222> (231)
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<220>
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<220>
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<222> (302)
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<220>
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<222> (310)
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<220>
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<222> (332)
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<220>
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<222> (350)
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<220>
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1452

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<220>
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<220>
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 <222> (422)
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<220>
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 <222> (453)
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 tgggtgctgcc agctttatna tgggtggncn cctagccntc aatgtttcca aggcccgcaa 120
 gaagtacaaa ntggagtggga cacttccatt angattctca cacactcaat ttctgttctt 180
 ctattaaggg aaatcttaaa angatgtggg atttgatgac tcttaagaag ntctatatcc 240
 ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
 cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
 attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcncn 420
 nnaattttta accaaaattg aatgggtctct tcnagggt 458

<210> 2188
 <211> 337
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (13)
 <223> n equals a,t,g, or c

<220>
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 <222> (44)
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<220>
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1453

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<220>

<221> misc feature

<222> (105)

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<220>

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<222> (153)

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<220>

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<220>

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<222> (229)

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1454

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<222> (277)
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<220>
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<222> (287)
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<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

<220>
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<222> (327)
<223> n equals a,t,g, or c

<400> 2188
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gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggncggcc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgcttgcaag atggtggttaa gtcctccang gcctggngat ctggccnagg agangactga 300
gttcctgcac agtcagaact cgctgtnact acgcaag 337

<210> 2189
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (449)
<223> n equals a,t,g, or c

<220>
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1455

<222> (481)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (482)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<400> 2189

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gggagcaaac tttacccggg catcgaacat cacaatgacg ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaataactaat aattttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaactctgtt ctgtgttatt cccccaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctgggttggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtccc ttgnaatttg atgaaggaat tttttgggag caantt 526
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<210> 2190

<211> 553

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (5)

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<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1456

<222> (24)
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<220>
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<222> (34)
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<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
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<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
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<220>
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1457

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<220>

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<222> (519)

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<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2190

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atnngncacgn gaccctttga gganctacta cgantcacta tagggaaagc tggtagcgcct 60
gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg cgggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaagggt gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gaccctttgg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553
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<210> 2191

<211> 627

<212> DNA

<213> Homo sapiens

<220>

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<222> (525)

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<220>

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<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1458

<222> (611)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (612)
<223> n equals a,t,g, or c

<400> 2191
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ctgagcctgt gccaggattc cagggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatataatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcaactcag tgacacccaaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan mngtaatact taaattg 627

<210> 2192
<211> 343
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (269)
<223> n equals a,t,g, or c

<220>
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<222> (308)
<223> n equals a,t,g, or c

<220>
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<222> (315)
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<220>
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1459

<220>
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<222> (334)
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ggggaccact ntcttcttgg tacttctcag attttttttt ctttataacc cgtatgaatg 60
gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggaggctca gggagagaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagaac caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343

<210> 2193
<211> 642
<212> DNA
<213> Homo sapiens

<220>
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<220>
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<222> (568)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (609)
<223> n equals a,t,g, or c

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<220>
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<222> (639)
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<400> 2193
gctgcgagaa gacgacagaa gggtagcggt gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgctgtgaaa 120

1460

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actaccacctta aaagccaaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgct 480
ctgattgggt gcttgctggg gttgggtgaat ttggaagctg gnatcttcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttggggccnc cc 642

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<210> 2194

<211> 239

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

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<222> (212)

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<220>

<221> misc feature

<222> (237)

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<222> (238)

<223> n equals a,t,g, or c

<400> 2194

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tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttgctt ctatattacc atatttactg 180
aattttctgg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

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<210> 2195

<211> 290

<212> DNA

<213> Homo sapiens

1461

<220>
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<222> (209)
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<220>
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<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
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<222> (287)
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ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagtccggc 120
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gagenctgag 240
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196
<211> 377
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (271)
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1462

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<221> misc feature
<222> (313)
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<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
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cacccaagac cgagactggg aggcgtattg gcggtactc tttaaaaaga tatctttaga 120
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180
gcaggcctat ctggacttca aggggtgacat ggatcagatc atggagtctg tgctttgcgt 240
gcagtacaca gaggaaccca ggatgaagga ntatcattca gcaagctatt gacgccggag 300
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360
aaggngggct caggang 377

<210> 2197
<211> 541
<212> DNA
<213> Homo sapiens

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<222> (166)
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<220>

1463

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<222> (168)
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<220>
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<220>
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<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
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<220>
<221> misc feature

1464

<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
<221> misc feature
<222> (334)
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<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
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<220>
<221> misc feature
<222> (360)
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<222> (373)
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<220>
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<220>
<221> misc feature
<222> (415)

1465

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

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<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

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<220>

<221> misc feature

<222> (485)

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<220>

<221> misc feature

<222> (489)

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<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2197

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gaccctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaaag atccaagaca aggaaggcat ccctcctgac cagcanangt tgatctttgc 180
cggaaaaacag ctggaaaatg gtcgnncct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaactt tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaactg cacnttgaca atatcgngc tagatcccan 360
acaaagaaaag ngncctctct gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc ccctgtcttg actacnacat cccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g                                                                                   541

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<210> 2198

<211> 282

1466

<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
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<220>
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<222> (22)
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<220>
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<222> (30)
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<222> (67)
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<220>
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<222> (169)
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<220>
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<222> (189)
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<220>
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<222> (195)
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<220>
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<222> (214)
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<220>
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<222> (244)
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<220>
<221> misc feature
<222> (268)

1467

<223> n equals a,t,g, or c

<400> 2198

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aggggggatnt caatcggaaa cnctaacaan tttaaccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccggggc 120
ggaattcccg ggtcgacca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
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<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (97)

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<220>

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<222> (188)

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<220>

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<222> (202)

<223> n equals a,t,g, or c

<220>

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<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1468

<222> (312)
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<220>
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<220>
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<220>
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 <222> (474)
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<220>
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 <222> (480)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<220>
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 <222> (507)
 <223> n equals a,t,g, or c

<400> 2199
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 gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
 ttgtttgatg agagcccggg ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
 ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
 tcttcctga ctctcctggg ggcacctcct atgagagata cgattgctac aaggtcccan 300
 aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360
 aagagagaac agtgggaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420
 gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgcccc tgcncgaaan 480
 gaangtgatt ttgccccac ttgtggn 507

<210> 2200
 <211> 331

1469

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (330)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<400> 2200

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gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttcg tgaagaccct gaagtgaacc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgnngccc 300
cttaataaag ccgncttgat tttaaaaaan n 331
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<210> 2201

<211> 476

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (137)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

1470

<220>
<221> misc feature
<222> (450)
<223> n equals a,t,g, or c

<400> 2201
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tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaag tagccttcct aatggtcgga 300
gcgctctcct catggacctc caggncactc atgctgctca agtggagcat gcactctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476

<210> 2202
<211> 209
<212> DNA
<213> Homo sapiens

<220>
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<222> (7)
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
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<220>
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<222> (27)
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<220>

1471

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<220>
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<220>
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<220>
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<220>
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<222> (184)
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<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
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<222> (188)
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<400> 2202
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cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120
nacgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180
ccnntctnc agctggcgta ataagggaa 209

<210> 2203
<211> 311
<212> DNA
<213> Homo sapiens

<220>

1472

<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 2203
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ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcattccctg 120
atcgcttctc agtcttggcc tcaggcctga gtcggggacct gaccatcacg aacatccagg 180
aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240
tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300
ccccccngtt c 311

<210> 2204
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

1473

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<220>
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 <222> (268)
 <223> n equals a,t,g, or c

<220>
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 <222> (292)
 <223> n equals a,t,g, or c

<220>
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 <222> (308)
 <223> n equals a,t,g, or c

<220>
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<220>
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 <222> (351)
 <223> n equals a,t,g, or c

<220>
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 <222> (366)
 <223> n equals a,t,g, or c

<400> 2204
 ggaccttttg agttccagct taagggtatc agcctccctg gctgatgtaa gtcanaggcc 60
 tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120
 tatgtgtgtc ttctgcctct cccagatcc tgtacttcac caatggccat ctgtatccaa 180
 ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240
 actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300
 ccacccanat ttctacccca atnggttttg ggctaatacca accttactgt ncttgttccc 360
 ccccnttat cccctta 377

<210> 2205
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 2205

1474

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accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccagggggtc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aaccgcact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taaccttttt tgaacctggc 300
tctgggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgctgctgg aattcttccc atgggtgccc aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465
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<210> 2206

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (29)

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<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

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<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1475

<222> (106)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
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<222> (124)
<223> n equals a,t,g, or c

<220>
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<222> (143)
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<220>
<221> misc feature
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)
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<220>
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<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)

1476

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 2206

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ggggtgcaag agaccnccaa tgggtagcnc gccctacttt gantgaangg ancgcccgca 60
gggtaccgggt ccggaattcc cgggtcgacc cacgcgcct ttnntngccn ggggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
cactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtggctt ttgctcttgg antcctgggc tgntatgggt ctaagactga gagcaagn gn 300
gccctcgtga cgtacttcta catcctctc cn 332
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<210> 2207

<211> 452

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (158)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

1477

<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (437)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (452)
<223> n equals a,t,g, or c

<400> 2207
ggccagcatt gcttctacca gctggcggca cttcgcgagg gtggcttaca ttgtggaagg 60
ggactttact ggtgttctcc ttccagaact agtagtttct atagtgttc tgctcagtaa 120
aaatgctggt ctcatgcaag aggctggagc tgtacctntg ctgggtggcc tgttgaaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagttagc 240
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttгнаag ggaaagaacc an 452

<210> 2208
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1478

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2208
gattttaatta tnnnctagat tgtctgggca acggcagaac ggagtgccac tgtggagcan 60
ataactgcag tggtttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaataaag 120
agaaggcaaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaaca gaaccaaagc 180
atatgcatga agattactgt tttcaatgtg gagatgggtg anagctggtc atgtgtgaca 240
aaaaagantg tccaaagtat accaccttcc tattgccntn aanctgactt aagcc 295

<210> 2209
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>

1479

<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (381)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<400> 2209
ggaaagcgcc gagatgacgg gctttctgct gccgcccga agcagagggga ctcgagatc 60
atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aaccaagta gctttgtggc 120
ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtcca ccacgctcgc 180
gtttcctcct gtagtgetca cagggtcccag caccgatggc attccctttg ccctgagtct 240
gcagcggggtc ccttttgtgc ttccttcccc tcaggtagcc tctctcccc tgggccactc 300
ccgggggtga ggggggtacc cctttccagt gntttttatt cctgnggggc ttaccccaaa 360
agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)

1480

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2210

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gtgnaacgtc cgacagaacg aggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgacccgc ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcggttaag ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aacccaagta 240
gctttgtggc ttcgtgtcaa cctntttgcc cttcgcctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttcctcct tgtagtgtc acagggtccag naccgatggg attccctttg 360
cccttgantc tgcaacnggg g 381

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<210> 2211

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature .

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1481

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<400> 2211
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ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120
gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180
aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240
gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300
gaggaagctg ttccagggct attctttggt gctccttcca tctattcaa acgtaatgca 360
gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaatgttg 420
ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212
<211> 384
<212> DNA
<213> Homo sapiens

<400> 2212
tgaaaaggac tcttggaag tgaaaacttt agatgaaatt cttcaggaaa agaaacgaag 60
gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120
gaagttcttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180
cttgaggagg gggagctgag agatcacccg atggagatca caataaggaa ctccccgtat 240
agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300
tgcccttccct gtctccacct ctcagtcctc ctagaatgga tggctggggg agaggtggag 360
gctgacagct gagacgtagt gtca 384

<210> 2213
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1482

<222> (136)

<223> n equals a,t,g, or c

<400> 2213

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gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtggaa caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460
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<210> 2214

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

1483

<223> n equals a,t,g, or c

<400> 2214

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ggtacagtcc ggagctgagg ngaaggngtc cggggagttct ctgagcatct cctgtcaggt 60
gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtgg atgggcaggc ttgatccttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttgagg gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaccca ggtcancegn cttcttanca atccccganca 360
gncccaaagg ctttccgctg aacctttg 388
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<210> 2215

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

1484

<220>
<221> misc feature
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>

1485

<221> misc feature
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
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<222> (306)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1486

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 2215

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gtcaccgtga ctnagnaagt tctcagttag gttcaaggag aacagtgtgg ctgtcaagggt 120
cgtccagggc cctgcagggtg gtgacaacag naagntacgt tacaaaaaaaa aggggaggtca 180
ttgcttggnng gtgactntgc agttaggagg gggcaccatg cagagatggc anttncttcc 240
tcctgaacca gcactaatch cncctttgncc tnnctttttt gggggggtnt ttaancncnt 300
tnnntngggg gggmangggg tnggggttta aantnccctt ttgggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
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<210> 2216

<211> 289

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

1487

<220>
<221> misc feature
<222> (267)
<223> n equals a,t,g, or c

<400> 2216
gattgaacag aagtatgcc a tatagtacaa ttacagctat gttacaggat caaaattaat 60
ttcaaaccctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120
gctatttagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180
ntggctgatt atcagtggt a atcctccaa ngagaaaatn gatgatctga agaaactggn 240
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217
<211> 408
<212> DNA
<213> Homo sapiens

<400> 2217
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60
cctcacggta atgttggaact cggtagacaca cagcaccttc ctgcctaata catccttctg 120
cgatcccctg atgtcgtgga ctgatctggt cagcaatgaa gagtactacc ctgcctttga 180
gcatcagaca gcctgtgact catactggac atcagtcac cctgaatact ggactaagcg 240
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

1488

<400> 2218

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ccaacccctca ctaaaggggaa caaaagctgg agctccaccg cgggtgncggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagtctt tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttcttttaa acttgtagat attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgttagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg 614
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<210> 2219

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

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<222> (562)

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